

Linda Shi

Curriculum Vitae – August 2021

Department of City and Regional Planning, Cornell University
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EDUCATION

2017	PhD in Urban and Regional Planning Massachusetts Institute of Technology Department of Urban Studies and Planning	Cambridge, MA
2008	Masters in Urban Planning Harvard University Graduate School of Design	Cambridge, MA
2005	Masters in Environmental Management Yale School of Forestry and Environmental Studies	New Haven, CT
2004	BA in Environmental Studies and International Studies Yale University	New Haven, CT

PROFESSIONAL APPOINTMENT

2017–present	Assistant Professor Department of City and Regional Planning, Cornell University	Ithaca, NY
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PUBLICATIONS

Manuscripts under Review

Shi, L., Ahmad, S., Shukla, P., and Yupho, S. (under review). “Shared Injustice, Splintered Solidarity: Water Governance across Urban-Rural Divides.” *Global Environmental Change*.

Lamb, Z., Shi, L., Silva, S., and Spicer, J. (submitted). “Resident-Owned Resilience: Can Cooperative Land Ownership Enable Transformative Climate Adaptation for Manufactured Housing Communities?” *Housing Policy Debate*.

Refereed Journal Articles

Shi, L., and Moser, S.C. (2021). “Transformative Climate Adaptation in the United States: Trends and Prospects.” *Science*.

Shi, L. (2020). "Beyond Green Infrastructure for Flood Risk Reduction: How Can Green Infrastructure Advance both Social Justice and Regional Impact?" *Journal of Socio-Ecological Practice Research*, online first.

Shi, L., & Varuzzo, A. (2020). "Surging Seas, Rising Fiscal Stress: Exploring Municipal Fiscal Vulnerability to Climate Change." *Cities*, 100, 102658.

Shi, L. (2020). "From Progressive Cities to Resilient Cities: Lessons from History for New Debates in Equitable Adaptation to Climate Change." *Urban Affairs Review*, Online first.

Shi, L. (2019). "Promise and Paradox of Metropolitan Regional Climate Adaptation." *Environmental Science & Policy*, 92, 262–274.

Shi, L., Lamb, Z., Qiu, X., Cai, H. and L.J. Vale. (2018). "Promises and Perils of Collective Land Tenure in Promoting Urban Resilience: Learning from China's Urban Villages." *Habitat International*, 77: 1-11.

Anguelovski, I., Shi, L., Chu, E., Gallagher, D., Goh, K., Lamb, Z., Reeve, K., and Teicher, H. (2016). "Towards Critical Studies of Climate Adaptation Planning: Uncovering the Equity Impacts of Urban Land Use Planning." *Journal of Planning Education and Research*, 36(3): 333–348.

Shi, L., Anguelovski, I., Aylett, A., Chu, E., Debats, J., Dodman, D., Goh, K., Roberts, D., Roberts, J.T., Schenk, T., Seto, K., and S. VanDeveer. (2016). "Towards Justice in Urban Climate Adaptation: A Roadmap for Research and Practice." *Nature Climate Change*, 6: 131–137.

Shi, L., Chu, E., and J. Debats. (2015). "Explaining Progress in Climate Adaptation Planning across 156 U.S. Municipalities." *Journal of the American Planning Association*, 81(3): 191–202.

Book Chapters

Chu, E., and Shi, L. (accepted). "Urban Climate Adaptation: Discontents and Alternative Politics." In Weinthal, E., Sowers, J., and VanDeveer, S. (eds.), *Oxford Handbook of Comparative Environmental Politics*. Oxford University Press.

Shi, L. and Bouma, D. (accepted). "Reclaiming Land Governance under Climate Change." In Rice, J., Long, J., and Levenda, A. (eds.), *The Just City in the Era of Climate Change: Theory, Praxis, Resistance*. University of Georgia Press.

Shi, L. (2020). "The New Climate Urbanism: Old Capitalism with Climate Characteristics." In Castan Broto, V., Robin, E., and While, A. (eds.), *Climate Urbanism: Towards a Critical Research Agenda*. Palgrave.

Shi, L., Chu, E., and J. Debats. (2015). "Explaining Progress in Climate Adaptation Planning across 156 U.S. Municipalities." *Journal of the American Planning Association*, 81(3): 191–202.

Reprinted in: Hamin, Elisabeth, Yaser Abunnasr, Robert L. Ryan, eds. *Planning for Climate Change: A Reader in Green Infrastructure and Sustainable Design for Resilient Cities*. New York: Routledge Press, (in press 2018).

Shi, L., Chu, E., and J. Carmin. (2016). “The Effects of City Size and Governance Capacity on Urban Climate Adaptation Planning and Implementation: Results from a Global Survey.” In K. Seto and W. Solecki (eds.), *Handbook on Urbanization and Global Environmental Change*. Philadelphia: Taylor and Francis.

Carmin, J., K. Tierney, E. Chu, L. Hunter, T. Roberts, and L. Shi. (2015). “Adaptation to Climate Change.” In R.E. Dunlap and R. Brulle (eds.), *Sociological Perspectives on Climate Change*. Oxford: Oxford University Press.

Professional Publications

Crimm, N., Wachs, A., Rotbert, J., Sidhra, S., Yupho, S., Thomas, R., Bucio, E., Gao, Q., Garg, A., Long, K., Ross-Martin, M., Soley, J., and Shi, L. (2019). “Staying Afloat in 2100: Evaluating Fiscal and Land Use Options for Coastal Adaptation in Massachusetts.” Workshop report of the course CRP 3072/5072 Governing Climate Change in Coastal Massachusetts. Ithaca, NY: Cornell University Department of City and Regional Planning.

Carmin, J., Jessica Debats, Eric Chu, and L. Shi. (2015). Multiple chapters in “Climate Change Adaptation Sourcebook for Small and Medium Sized Cities in Latin America and the Caribbean.” Washington, D.C.: World Bank.

Shi, L. (2013). “Urban Hazards and Resilience in South Asia.” Contributing report for the South Asia Region Urbanization Flagship. Washington, D.C.: World Bank.

Shi, L. (2013). “Methodology to Identify Target Cities for Climate Change-Focused Technical Assistance.” Washington, D.C.: World Bank.

Shi, L., M. Escobar, B. Joyce, and J. Kostaras. (2013). “Strategic Land Use Planning for Climate Change-Driven Water Shortages in El Alto, Bolivia” (Working Paper). Cambridge, MA: Lincoln Institute for Land Policy.

Shi, L. and J. Driscoll. (2011). “The Connecticut River Basin: Integrating Water Quality Improvements with Regional Land Use Plans.” Armagh: International Centre for Local and Regional Development.

Serageldin, M., Vigier, F., Shi, L., and K. Leith. (2012). *State of the Arab Cities 2012 Report*. Nairobi: UN-HABITAT.

Shi, L., and D. Koné. (2010). *A Rapid Assessment of Septage Management in Asia: Policies and Practices in India, Indonesia, Malaysia, the Philippines, Sri Lanka, Thailand, and Vietnam*. Washington, DC: USAID and Eawag.

Media

Quoted in CBS News, E&E News, Grist, Huffington Post, NPR, The New Republic, New York Times, Wall Street Journal, APA Magazine, Lincoln Land Institute.

Authored Op-Eds

Shi, L., and Woodruff, S. Jan 21, 2021. “America Needs a Climate Adaptation Strategy.” Op-ed in *The Hill*.

Shi, L. Mar. 5, 2020. “The Fiscal Challenges of Climate Change.” Op-ed in *The Boston Globe*.

Podcasts

Shi, L. Feb. 26, 2021. “Re-Imagining Urban Curricula for Global Transformation.” University of Westminster City Climate Pedagogy and Practice. <http://blog.westminster.ac.uk/ccpp/podcast-2-re-imagining-urban-curricula-for-global-transformation/>

Shi, L., and Moser, S.C. May 24, 2021. “Transformative Climate Adaptation in the United States: Trends and Prospects with Dr. Susanne Moser and Dr. Linda Shi.” America Adapts Podcast. <https://www.americaadapts.org/episodes/transformative-climate-adaptation-in-the-united-states-trends-and-prospects-with-dr-susanne-moser-and-dr-linda-shi>

Shi, L. May 4, 2020. “Racially just Adaptation + Urban Planning and Climate Inequities + Fate of 100 Resilient Cities and much more with Dr. Linda Shi.” America Adapts Podcast. <https://www.americaadapts.org/episodes/2020/5/3/podcast-racially-just-adaptation-urban-planning-and-climate-inequities-fate-of-100-resilient-cities-and-much-more-with-dr-linda-shi>

RECENT FELLOWSHIPS, GRANTS, AND AWARDS

2021 Cornell Migrations Initiative (co-PI, \$85,324)

Knight Institute for Writing Faculty Seminar (\$2,000)

2020 Cornell Einaudi Center Global Public Voices Fellowship (\$1,000)

2019 Cornell Center for Social Sciences Faculty Fellows Program (\$8,500 and teaching leave, Spring 2021)

Atkinson Center for Sustainable Futures and The Nature Conservancy (\$199,058, PI for Cornell) to fund research “Assessing Progress and Barriers to Ecological Restoration of State Property Buyout Programs”

MIT Leventhal Center for Advanced Urbanism Equitable Resilience Seed Grant (\$27,130, co-PI) to fund research “Manufacturing Security: Cooperative Land

Ownership, Climate Change Vulnerability, and Equitable Resilience in Manufactured Housing Communities”

Engaged Cornell Curriculum Development Grant (\$60,000, co-applicant) to refine development of course “Global Climate Change Science and Policy”)

- 2018 Engaged Cornell Curriculum Development Grant (\$80,000, co-applicant) to develop a course on “Global Climate Change Science and Policy”

Engaged Cornell Opportunity Grant (\$5,000) to support workshop on Responding to Local Fiscal Vulnerability to Climate Change

Cornell Institute for the Social Sciences (\$5,000, PI, with Jennifer Minner) to support research project “Surging Seas, Rising Fiscal Stress: A Study of U.S. Fiscal Vulnerability and Policy Responses to Climate Change”

Atkinson Center for Sustainable Futures Rapid Response Fund (\$13,430, PI) to support research project “From Rural Reliance to Urban Resilience: Governing Water across Urban-Rural Divides in Four Asian Mega-regions”

CONFERENCES, WORKSHOPS, AND INVITED TALKS

Invited Talks

- 2021 “Climate Impacts and Adaptation Practices.” Zhejiang University Sustainable Development Summer Course, China, July 13.

Guest lecture for Cornell Master’s in Public Health course, Public Health Foundations II, April 27.

“Rising as a Region to the Climate Challenge.” Guest Lecture for University of California-Davis Planning Resilient Regions class, April 20.

“Sea Level Rise and Underwater Municipal Budgets.” (Boston) Metropolitan Area Planning Council Climate Resilience Speaker Series, March 25.

“Transforming Engineering for a Climate Changed Future” (panelist). St. Anthony Falls Laboratory Seminar, Minneapolis, MN, March 30.

“Climate (In)justice: The Quest for Equity in a Changing Climate” (panelist). eCornell Keynote, March 17.

“A New National Architecture of Land for a Just Climate Transition?” (panelist) University of Illinois Urbana-Champaign Planning for Climate Justice Lecture Series, March 4.

“What Land Policies for Equitable Managed Retreat?” (panelist). A Gathering Wave: Emerging Legal and Policy Implications of Climate Migration, a Temple Law Review Symposium, February 26.

“Rising to the Climate Challenge, Choosing the Risks We Take.” Boston Harbor Now Climate Working Group, February 9.

2020 “The Climate Squeeze: How States Constrain Local Adaptation in Response to Sea Level Rise” (panel on Understanding the Financial Impacts of Natural Disasters and Climate Change). Association for Public Policy and Management Annual Conference, November 12.

“Pushing the Structural Limits to Adaptation.” New Hampshire / Maine Climate Adaptation Working Group and Climate Change Action Planning Annual Network Meeting, November 10.

“Contesting Capitalism with Climate Characteristics: Land Reform as the Basis of a Just Climate Transition” (roundtable presentation for Presidential Roundtable on Climate Change). Association of Collegiate Schools of Planning Annual Conference, University of Toronto, November 6.

“Building Justice, Equity, Diversity, and Inclusion in NY Sea Grant.” Presentation to New York Sea Grant. September 16.

“Beyond Green Infrastructure for Flood Risk Reduction.” Public lecture, Harvard Graduate School of Design, September 10.

“Adaptation’s Spatial Fix and Implications for Justice.” Harvard Graduate School of Design lecture series on Planning for Climate Change, September 9.

“Seeing like a City: Implications for Managed Retreat.” Presentation to NSF Coastlines and People Research Collaboration Network – People on the Move in a Changing Climate, August 3.

“Fiscal Challenges of Climate Change and Implications for Managed Retreat.” Presentation for Climigration Network Learning Session, May 28.

“Community-Based Approaches to Investing in Climate Resiliency” (Invited discussant). Climate Adaptation Research Symposium 2020: Measuring and Addressing Societal Impacts, UCLA, September 21.

“From Progressive Cities to Resilient Cities (and back?): Learning from History for New Debates on Equitable Adaptation to Climate Change.” Colloquium lecture, SUNY-ESF, Syracuse, NY, March 5.

2019 “Resilient Cities or Parasitic Regions? Urban-Rural Water Conflicts in an Age of Climate Change” (colloquium lecture) and “Climate Change, Fiscal Policy and Land Use: An Opportunity for Transformation?” (course lecture). Maxwell School for Citizenship and Public Affairs at Syracuse University, October 17.

“Resilient Cities or Parasitic Regions? Urban-Rural Water Conflicts in an Age of Climate Change.” Institute for Public Knowledge at New York University, October 4.

“Cities Unbound – Contesting Boundaries for Transformative Climate Urbanism” (paper presentation). The New Climate Urbanism: An International Workshop on the Changing Relationship between Cities and Climate Change, Sheffield University, UK, September 4-5.

2018 “The Impact of Municipal Finance on Resiliency.” Community Development Institute on Flood Risk and Community Resiliency. Cornell University Center on Community and Regional Development Institute (CARDI), October 11–12.

“From Progressive Cities to Resilient Cities (and Back?): Prospects for Equity and Justice under Climate Change” as part of panel, “Beyond Neoliberalism: A Policy Agenda for a Progressive City.” American Political Science Association Annual Conference, Boston, MA, August 30–September 2.

2017 “Resilient Cities: The Political Ecology of Designing for Climate Adaptation.” Cornell Department of Landscape Architecture Fall Lecture Series, Ithaca, NY, November 1.

“Equity in Land Use Planning for Climate Change Adaptation.” Cornell Department of City and Regional Planning Seminar in Regional Science, Planning, and Policy Analysis, Ithaca, NY, October 26.

“Conditions of Urban Policy Transitions” (moderator). Promoting Resilience and Transformation in Cities: A Conference for a Public Policy of Urban Climate Governance, Hunter College, New York City, NY, May 16–17.

2016 “Tenure Security and Urban Resilience: The Power of Collective Title in China’s Urban Villages.” Invited seminar presentation, Boston Urban China Seminar. Cambridge, MA, December 1, 2016.

Symposia and Conference Panels Organized

“New State-Society Pacts for Transformative Urban Climate Futures” (two panels, co-organizer). Association of Collegiate Schools of Planning Annual Conference, Clemson University, Greenville, South Carolina, October 24-27, 2019.

“Charitable Adaptation: Private Philanthropy and Planning for Local Climate Change Adaptation” (panel co-organizer, moderator). Urban Affairs Association Annual Conference, Los Angeles, CA, April 25-27, 2019.

“Something New, Everything Inherited: How Institutions for Regional Planning Shape Regional Adaptation to Climate Change” (paper panel) and “Adaptation through Metropolitan or Trans-Municipal Networks: Conversations between Theory and Practice” (roundtable). Association of Collegiate Schools of Planning Annual Conference, Denver, CO, October 12–15, 2017.

“Spatializing Urban Climate Change Governance.” Association of American Geographers Annual Conference, San Francisco, CA, March 29–April 2, 2016.

Organized JoAnn Carmin Memorial Symposium on Urban Climate Adaptation, December 5, 2014, MIT, Cambridge, MA.

Presentations

“Rising Seas and Fiscal Decline – The Role of State Policies in Shaping Local Vulnerability and Adaptation to Sea Level Rise” (paper presentation) and “Scenario planning for transformative alternatives under climate change – future directions for tool development” (non-presenting co-author). Association of Collegiate Schools of Planning Annual Conference, Clemson University, Greenville, North Carolina, October 24-26, 2019.

“Fiscal Vulnerability to Sea Level Rise and Local Land Use / Fiscal Policy Responses: An Opportunity for Transformative Planning?” At What Point Managed Retreat? Resilience Building in the Coastal Zone Conference, Columbia University, New York City, June 19-21, 2019.

“Transcending City Limits: Progress and Paradoxes in Metropolitan Governance for Climate Adaptation” (paper presentation) and “Roundtable discussion on the role of philanthropic foundations in environmental governance” (participant). Earth Systems Governance 10th Annual Conference, Utrecht, Netherlands, November 5-8, 2018.

“Fiscal Vulnerability to Sea Level Rise: Case of Municipalities in Coastal Massachusetts” (paper presentation) and “Resilience: A new path forward for climate change adaptation?” (moderator). ACSP 2018, Buffalo, NY, October 25-28, 2018.

“Ecological Imaginaries of Regional Adaptation” as part of the panel “Green Cities for Whom? Interrogating Dominant Configurations of Greening, Governance and Inequality.” Also, “Promises and Pitfalls of Collective Land Tenure in Advancing Urban Resilience: Learning from China’s Urban Villages” as part of the panel “Decolonizing Property? Promises, Pitfalls, and Ambivalences of Collective Land and Resource Titling Schemes.” Political Ecology Network (POLLEN) Biennial Conference in Oslo, Norway, June 20-22, 2018.

“Equity Impacts of Land Use Planning for Climate Adaptation: Critical Perspectives from the Global North and South” and “Tenure Security and Urban Resilience: The Power of Collective Title in China’s Urban Villages”. Association of American Geographers Annual Conference, Boston, MA, April 3–8, 2017.

“Toward a New Ecological Regionalism: The Promise and Pitfalls of Collaborative Metropolitan Climate Adaptation.” Sustainability Transitions in the Coastal Zone Conference, New Haven, CT, March 30–April 2, 2017.

“Ecological Structuration: Perspectives on the Impacts of Climate Change on Regional Spatial Politics” (paper presentation), and “Beyond Environmental Sustainability: Emerging Paradoxes of Planning for Climate Resilience in Cities” (roundtable discussion). Association of Collegiate Schools of Planning Annual Conference, Portland, OR, November 3–5, 2016.

“A New Climate for Regionalism: Adaptation Governance in the Bay Area and Southeast Florida.” Association of American Geographers Annual Conference, San Francisco, CA, March 29–April 2, 2016.

“Right to the City: Land Tenure and Climate Resilience of the Urban Poor in the Philippines.” World Bank Conference on Land and Poverty, Washington, D.C. March 23–27, 2015.

“Strategic Land Use Planning for Climate Change-Driven Water Shortages in El Alto, Bolivia.” Research Seminar on Land Policy and Urban Development in Latin America. Lincoln Institute of Land Policy Seminar, Antigua, Guatemala. Sept. 19–21, 2012.

“Launching of Regional Study on Septage Management in Asia.” Second East Asian Ministerial Conference on Sanitation and Hygiene, Manila, Philippines, Jan. 27–29, 2010.

TEACHING EXPERIENCE AT CORNELL

Introduction to Planning History and Practice	Fall 2017-2021
City and Regional Futures Lecture Series	Fall 2020, 2021
Regional Science, Planning, and Policy Analysis Research Seminar	Fall 2020, 2021
Research Design and Qualitative Methods	Fall 2017, 2019
Governing Urban Adaptation Workshop	Spring 2019
Urban Adaptation to Climate Change	Spring 2018, 2020
Global Climate Change Science and Policy	Fall 2018
Fall Fieldtrip	Fall 2018

PROFESSIONAL EXPERIENCE

2016–2017 University of Massachusetts Boston, Consultant Boston, MA
Contribute to the second phase of Boston’s adaptation planning initiative, Climate Ready Boston, with a focus on developing governance and finance strategies to implement the recommendations of the initiative’s first phase.

Mid-Atlantic Consortium for Climate Assessment and Decision-Support
Consultant to the Rand Corporation Cambridge, MA
Conduct external evaluation for the first year of the NOAA-funded Mid-Atlantic Regional Integrated Science and Assessment program to help improve its performance and assess its value to the Chesapeake Bay region.

- MIT Special Program for Urban and Regional Studies (SPURS) Cambridge, MA
and Hubert H. Humphrey Program, PhD Assistant
Help manage program for mid-career professionals from developing countries by drafting syllabi for planning and leadership seminars, advising 16 fellows on academic and program plans, and leading workshops on gender equity.
- 2014–2017 MIT Resilient Cities Housing Initiative, Research Affiliate Cambridge, MA
Research frameworks and empirical examples of resilient and affordable housing, focusing on the effect of collective land tenure on climate vulnerability in China’s urban villages.
- 2013–2014 World Bank, Consultant Cambridge, MA
Over the course of three consultancies, developed a methodology to prioritize cities for climate change finance and technical assistance; drafted a report on urban resilience in over 240 South Asian cities for the South Asia Region Urbanization Flagship Report; and helped draft a sourcebook on climate adaptation for small and medium cities in Latin America and the Caribbean.
- 2011–2012 American Institute of Architects, Environmental Planning Expert Northern Haiti
Developed a regional cumulative impact assessment for a development corridor in northern Haiti after five weeks of fieldwork as part of an AIA team funded by USAID, Inter-American Development Bank, and the Government of Haiti.
- 2010–2012 Institute for International Urban Development, Research Assoc. Cambridge, MA
Wrote proposals resulting in nearly \$500,000 in project awards, and managed urban and climate research and planning projects in Bolivia, Tanzania, Arab countries, and the United States.
- 2008–2010 AECOM, Regional Program Coordinator Bangkok, Thailand
Led sanitation projects for a USAID program in Southeast Asia that raised the capacity of water operators through twinning partnerships, conducted a regional assessment of urban sanitation, and began a research initiative to help utilities reduce their vulnerability to climate change.
- 2005–2006 Rocky Mountain Institute, Research Associate Old Snowmass, CO
Led initiative to ecologically and economically revitalize the industrial Cuyahoga Valley in Cleveland, Ohio, by helping county commission adopt stormwater, conservation, green building, and industrial symbiosis projects and policies.

SERVICE TO PROFESSION AND ACADEMY

Editorial Board Member

Journal of Socio-Ecological Practice Research

2019-present

Advisory Board Member International Centre for Local and Regional Development	2021-present
Task Force Member ACSP Presidential Task Force on Climate Change	2020-2021
Task Force Member Building Coastal Resilience for the NY-NJ metropolitan region	2019-2020
Advisory Committee Notre Dame Global Adaptation Index Urban Adaptation Assessment	2015–2017

Academic journal peer review referee for the following journals (in alphabetical order): *Buildings and Cities*, *Canadian Journal of Urban Research*, *Cities*, *Climate Policy*, *Climatic Change*, *Current Opinion in Environmental Sustainability*, *Environment and Planning A*, *Environmental Science and Policy*, *Global Environmental Change*, *International Development Planning Review*, *Journal of the American Planning Association*, *Journal of Environmental Planning and Policy*, *Journal of Environmental Studies and Sciences*, *Journal of Extreme Events*, *Journal of World-Systems Research*, *Local Environment*, *Natural Hazards Review*, *Nature Sustainability*, *Socio-Ecological Practice Research*, *Sustainability*, *Urban Climate*, *Urban Research and Practice*, *Urban Studies*, and the Yale Urban Environment and Social Inclusion Indicators Project. Recognized as “outstanding reviewer” for *International Development Planning Review* in 2019

Grant reviewer for: National Science Foundation; Puerto Rico Science, Technology, and Research Trust; Dutch Research Council; Pacific Institute for Climate Solutions; Social Sciences and Humanities Research Council of Canada; Maryland Sea Grant

Cornell University: Atkinson Center for Sustainable Futures Faculty Advisory Board (2018–present), Center for Social Sciences Qualitative and Interpretive Research Institute (2019-present), Einaudi Center Working Group on Disasters (2017–2019)

Cornell Department of City and Regional Planning: AAP Diversity and Inclusion Council (2021), Diversity Committee (2017-2018, 2020), Curriculum Committees (2018-2020, Chair 2020), MRP Admissions Committee (2018-2020), Center for Urban Change Symposium Committee (2019-), Awards Committee (2019)

PROFESSIONAL MEMBERSHIPS

American Collegiate Schools of Planning, American Sociological Association, American Society of Adaptation Professionals