

Springloop Cooperatie U.A.

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Curriculum Vitae, Dr. Anne Scheinberg, Global Recycling Specialist



Proposed Position:	Member of working group on resource management and waste minimization
Date of birth:	22 April 1953
Education:	PhD Environmental and Social Sciences 2011 Gender and Development 1997 MPA in Public Administration 1992 MSc Linguistics 1977 BA Anthropology 1975
Nationality:	Dual citizenship Netherlands & USA.
Civil status:	Married, children grown

Key qualifications

Dr. Anne Scheinberg has been active in recycling and sustainable waste management for nearly 40 years, 15 at WASTE in the Netherlands. An international action researcher, scholar and consultant, she is an innovator in the creation and validation of systems for solid waste and inclusive recycling in emerging economies in Europe and Latin America. Her 2011 PhD dissertation, Value Added, Modes of Sustainable Recycling in the Modernization of Waste Management Systems, articulates her vision of cities and regions with overlapping materials loops – a fore-runner of the circular economy. She is specialized in multi-country multi-disciplinary research, and two of the resulting publications won the ISWA publications prize: Solid Waste Management in the World's Cities (2010) and Valuing Informal Integration, Inclusive Recycling in North Africa and the Middle East (2016).

Between 1982 and 1988, her first firm, Recourse Systems, pioneered integrated waste management technologies, policies, and institutions in the Northeastern USA, producing many of the first recycling and integrated waste management plans, including the Regional Recycling Strategy for Massachusetts and the Recycling and Solid Waste Plan for Tompkins County NY. In 1988 she emigrated to Europe and in 1999 began her "second career" in development co-operation and process facilitation. Her current research focuses on recycling metrics and inclusive high-performance systems for packaging, e-waste, and re-usables.

Scheinberg is recognized in the global community of practice for being at the forefront of methodological approaches to bringing stakeholders together, improving data management, baseline analysis, benchmarking, and for inventing, piloting, and field-testing metrics, techniques, and institutional strategies for better waste management, inclusive recycling and the circular economy. She has applied these methodologies in user-pays systems, and participatory planning to the unique circumstances of emerging economies – ranging from Serbia to Colombia to India. She serves as a resource to members of the global recyclers movement and contributes to formulation of plans and approaches to integrate informal recyclers into their host municipal waste management systems, to support professionalisation and improved recycling, and to evolve EPR (Extended Producer Responsibility) systems so that they function in middle-income countries.

Scheinberg has taught colleagues on six continents how recycling dynamics have a beneficial effect on the total

system of materials management, and her “little planning manual” – freely available -- is in use in many countries. She is co-designer of the Global Recycling Information Platform (GRIP), a real-time data registration and benchmarking platform for tracking materials in the service and value chains, and providing traceability.

A dual citizen of the USA and the Netherlands, Dr. Scheinberg has a research appointment at Antioch University, New Hampshire, USA, and at the University of Maastricht in the Netherlands.

Education:

Institution:	Deep Democracy
Date: from (month/year) to (month/year)	2010-2017
Degree(s) or Diploma(s) obtained	Levels I-IV Diploma in Facilitation and Conflict Resolution. Co-Resolve 2017; Role Theory Master Class May 2018
Institution:	ENP: Department of Environmental Policy and Environmental Sociology, Wageningen University and Research Centre, the Netherlands.
Date: from (month/year) to (month/year)	2003-2011
Degree(s) or Diploma(s) obtained	PhD in Environmental and Social Sciences; dissertation on solid waste management in middle income countries with the title: <i>Value Added, Modes of Sustainable Recycling in the Modernization of Waste Management Systems.</i> 2011
Institution:	University of Florida Office of International Programs, Gainesville, Florida, USA.
Date: from (month/year) to (month/year)	1997-1998
Degree(s) or Diploma(s) obtained	World Wide Women in Development Gender Fellowship: 10-month intensive training in gender analysis, environmental governance, and urban services, 7-month practicum in Honduras analyzing gender influences on public service payment rates
Institution:	John F. Kennedy School of Government, Harvard University, Cambridge, MA, USA.
Date: from (month/year) to (month/year)	1991-1992
Degree(s) or Diploma(s) obtained	Master’s in Public Administration (MPA): Environmental management, micro- and resource economics; public finance; economic approaches to modernization and westernization`
Institution:	Antioch Graduate School of Environmental Studies, Keene, NH USA
Date: from (month/year) to (month/year)	1990
Degree(s) or Diploma(s) obtained	Environmental and Resource economics Course paper: economics of alternatives for waste paper processing.
Institution:	Georgetown University, Washington, DC., USA.
Date: from (month/year) to (month/year)	1976-1978
Degree(s) or Diploma(s) obtained	Master of Science (MS), Sociolinguistics
Institution:	Vassar College, Poughkeepsie, NY, USA
Date: from (month/year) to (month/year)	Bachelor of Arts (BA) Anthropology
Degree(s) or Diploma(s) obtained	1975

Language skills: mark 1 (worst) to 5 (best) for competence

Language	Reading	Speaking	Writing
English	mother tongue		

Spanish	5	5	4
French	4	4	4
Dutch	5	5	5
Bulgarian	3	4	2
German	2	2	1

Membership of professional bodies:

International Solid Waste Association (ISWA) since 1996 and currently member of the Recycling and Resource Management Working Group; CWG, the Collaborative Working Group on Solid Waste Management in Low- and Middle-income Countries; Subsidiary Expert to the UNCRD-Managed Asia Regional 3-R Forum; regular peer reviewer (2-6 papers per year), Waste Management and Research and Waste Management.

Countries of Work:

LAC: Colombia, Costa Rica, Nicaragua, Honduras, Haiti, Bahamas; Africa: South Africa, Malawi, Mali, Lesotho, Tunisia, Egypt, Kenya, Tanzania, Botswana, Mali, Ghana; Asia: India, Sri Lanka, the Maldives, the Philippines, Occupied Palestinian Territories (OPT), Indonesia; North America and Europe: USA, Netherlands, Finland, Germany, Austria, Turkey, Albania, Macedonia, Bosnia-Herzegovina, Serbia, Bulgaria, Kosovo/a, Hungary, Romania, Greece.

Selection of Work Undertaken in the last seven years:

Date:	2017-2018
Location	Home office
Company	MDPI Journals
Position	Guest Editor, Special Issue on Informal and Formal Recycling in Emerging Economies (7 papers published, 3-5 still in press)
Description	Recruited authors, managed topics and themes, co-ordinated with publisher
Date:	2017
Location	Belgrade, Republic of Serbia
Company	GIZ, German International Co-operation, Belgrade Office
Position	Editor and Methodologist
Description	Created one coherent research report from five subsidiary documents contributed by three research teams and several other stakeholders. While the intensive research on the Serbian Informal Recycling Sector is very exciting and produced many new insights, the process showed too little methodological co-ordination, and the three sub-reports were difficult to reconcile. This report is now being finalised
Date:	2017
Location:	Shufat Camp, West Bank, Palestine
Company:	StudioAzue (Bologna, Italy)
Position:	ISWM Planning Methodologist, Project Coach and Strategist
Description:	"Elder stateswoman" retained to support the novice project manager with on-the-job training in participatory ISWM planning, stakeholder mobilization, process facilitation, modeling, and sensitivity analysis of scenarios. Also provided technical consulting on inclusive recycling models.
Date:	2015-2018
Location:	Ghana and home office
Company:	Maastricht University, MUNDO project on solid waste and sanitation
Position:	PhD Supervisor for Ghana solid waste lecturer who is a PhD candidate
Description:	Work consists of coaching the PhD candidate, identifying conferences for him to attend, reviewing, co-writing or editing papers and journal articles, and making network contacts.
Date:	2016-2017
Location:	Pristina, Kosovo
Company:	German International Co-operation (GIZ) Kosovo
Position:	Project Design Adviser
Description:	Two short consultancies to give feedback to GIZ and its partners on plans for inclusive source separation

Date:	2017-2018
	pilots in urban high-rise neighborhoods, as well as on how to structure the marketing agreements.
Date:	2017
Location:	Belgrade and other cities, Republic of Serbia
Company:	German International Co-operation (GIZ)
Position:	Informal Sector Specialist, Methodologist, Document Editor (and repairer)
Description:	Retained to resolve methodological issues between research teams doing original action research on informal recycling and collecting in Serbia, and to produce a publishable report, using the results of the research to develop programmatic and policy recommendations for inclusive waste management /EPR.
Date:	2014-16
Location:	Netherlands, Colombia
Company:	Springloop Cooperatie U.A. (family business)
Position:	Program developer and project leader,
Description:	MarColombia: Building a Gold Standard for Benchmarking Inclusive Recycling. Financed by the Dutch Enterprise Agency through WASTE, NMPO/NWMC, and CEMPRE Colombia. The project engages with local authorities, producer responsibility organization CEMPRE, informal and formal recyclers, and national institutions to build a national benchmarking system with a focus on inclusive recycling, but covering all solid waste activities
Date:	2015
Location:	Netherlands, Germany, Tunisia, North Africa/Middle East
Company:	Springloop Cooperatie U.A. (family business)
Position:	Project leader, principal author of the book "Valuing Informal Recycling, Inclusive Recycling in North Africa and the Middle East." GIZ, 2015
Description:	Action Research: analysis of the interactions between solid waste system modernization and informal integration in the nine members of the SWEEP-Net Association, representing local and national authorities of the MENA region. Followed by a book project, to document direct experience in informal integration in Morocco, Tunisia, Egypt, and Palestine. Now published on GIZ website,
Date:	2014-2015
Location:	Netherlands, Tunisia
Company:	RWA, UK
Position:	Methodology and strategy specialist
Description:	Structural Integration of the Informal Sector in Tunis, Tunisia. Contracted through RWA (www.rwagroup.net) to German International Cooperation (GIZ) to support a 2-year project integrating informal recyclers in two sub-municipalities of metropolitan Tunis
Date:	2014
Location:	Netherlands, cases from Botswana, Costa Rica, Colombia, India, Tunisia, other middle-income countries
Company:	Springloop Cooperatie U.A. (family business)
Position:	Author
Description:	Conceived and produced the chapter on Extended Producer Responsibility in middle-income countries and the importance of informal recyclers. Update to the OECD Guidance Document on Extended Producer Responsibility, expected publication 2015.
Date:	2010-2013
Location:	USA
Company:	Springloop Cooperatie U.A./ (Recourse Systems). Client: Tompkins County Solid Waste Division, Ithaca, New York, USA.
Position:	Technical Consultant and Mentor
Description:	Re-hired to update solid waste plan from 1986, Tompkins County Solid Waste Department, Ithaca, New York. Invited by the Solid Waste Manager to support the staff in revising the solid waste plan to enable the County to achieve 85% diversion from disposal in 2030, from an achieved level of 60% diversion in 2010
Date:	1999-2014
Location:	Netherlands, with field assignments in Africa, Latin America, Asia, and the Balkans
Company:	WASTE, Advisers in Urban Environment and Development

Date:	2017-2018
Position:	Senior Consultant, Team Leader, Member of Management Team
Description:	Joined WASTE as socio-economist in 1999, became team leader for the solid waste consulting division; developing a range of products, services, training materials and leading 10-15 projects per year on formal and informal recycling, planning, waste governance, & integrated sustainable waste management (ISWM).
Date:	2013-2014:
Location:	Serbia, Bosnia-Herzegovina, Macedonia, Albania, Bulgaria, Italy, Greece, Montenegro, Romania
Company:	Springloop Cooperatie U.A. (family business) in partnership with Democratic Transitions Initiative (DTI)
Position:	Seed Project Manager:
Description:	Engaging Waste Pickers and Informal Recyclers in Europe. 12-country consultation with capital city waste pickers and informal recyclers. Visited landfill- and ghetto-based waste picker communities, in order to understand better the relationship of independent recyclers and their cities/countries.
Date:	2011-2014:
Location:	Netherlands, Republic of Haiti
Company:	WASTE, Advisers on urban environment and development. Client: Dutch Municipal Association (VNGI)
Position:	Project leader, Waste Management sub-component
Description:	Project Leader,: Municipal Reconstruction in Haiti: Facilitated participatory solid waste and recycling training and planning in four municipalities, including construction of the first controlled regional disposal facility in Haiti, and the first user-pays collection in the city of Léogâne.
Date:	2012:
Location:	Netherlands, Botswana
Company:	WASTE, Advisers on urban environment and development. Client: UNDP Botswana
Position:	Project leader, principal author
Description:	2012: Lead Consultant: Recycling Guidelines for Botswana Municipalities. Participatory consulting project working with policymakers and stakeholders to select a global approach to valorization, a recycling framework, and to re-organize relationships between the local and national authorities and the recycling value chain.
Date:	2012-2013
Location:	Netherlands, Germany,
Company:	WASTE, Advisers. Client: GIZ, German International Co-operation.
Position:	Project leader,
Description:	Product Stewardship and Informal Recycling (PSIR). Co-conceived and organized speakers for a 2-day event, Thematic Forum with Informal Sector Organizations and Consumer Products Companies. Berlin, November 2013,
Date:	2012:
Location:	Netherlands, Mali
Company:	WASTE, Advisers on urban environment and development. Client: BTC (Belgian Technical Cooperation)
Position:	Chief of Mission
Description:	Formulation of a three-year project for consolidating the waste management and recycling system in Sikasso, Mali.
Date:	2011
Location:	Turkey
Company:	WASTE, Advisers on urban environment and development. Client: Royal Haskoning/ European Union
Position:	ISWM Trainer
Description:	Gave trainings on waste planning, finance, recycling, technology selection, for Turkish regional authorities.
Date:	2010-2011
Location:	Zambia, Egypt, Romania, Péru, Philippines, India, Netherlands
Company:	WASTE, Advisers. Client: GIZ, German International Co-operation
Position:	Project leader, principal author
Description:	Revision and publication of the Informal Sector Study, based on action research project in 2006-2007: Project Manager: Economic Aspects of the Informal Sector in Solid Waste Management. Multi-city study of the global informal sector with six partners in Cairo, Cluj-Napoca, Lima, Lusaka, Metro Manila, and Pune

Date:	2017-2018
	(India), using process flow/materials balance approach as the basis for scenario modeling. Included both socio-economic and environmental impact analysis.
Date:	2009-2012.
Location:	Netherlands, Germany, Austria, Hungary, Slovakia, Poland
Company:	WASTE, Advisers. Client: BOKU, Austrian Technical University, EU-financed Program
Position:	Project leader, principal author
Description:	Technical consultant and advisor, TransWaste: Formalization of informal sector activities in collection and transboundary shipment of wastes in and to Central and Eastern Europe. Subcontractor to BOKU, together with Green Partners, Romania
Date:	2009-2011:
Location:	Serbia, Netherlands
Company:	WASTE, Advisers on urban environment and development. Financed by Dutch Foreign Ministry
Position:	Project leader
Description:	Project Leader: "Fair Waste Practices" the first project in Europe to focus on sustainable modernization of waste management via the route of inclusive recycling and professionalisation of informal waste pickers.
Date:	2009-2010:
Location:	20 countries including the Netherlands
Company:	WASTE, Advisers on urban environment and development. Client/Partner: UN-Habitat
Position:	Project leader, principal author, editor,
Description:	UN-Habitat Solid Waste Management in the World's Cities. Conceived, managed, and wrote for production of UN-Habitat's Third Report on Water and Sanitation in the World's Cities. The publication won the ISWA (International Solid Waste Association) 2010 Publications Prize.
Date:	2009-2010:
Location:	The Maldives
Company:	WASTE,. Client: The World Bank and Government of the Maldives
Position:	Project Manager, Technical Consultant,
Description:	"Developing a User Pays Framework for the North Province of the Maldives." With Green Partners, Romania, designed, developed, and field tested the first participatory tariff-setting system, based on an excel choice model for communities.
Date:	2009-2010:
Location:	Kenya
Company:	WASTE, Client: Dutch Embassy in Kenya and the Agricultural Economics Institute of Wageningen University.
Position:	Consultant and publication chief author-Editor:
Description:	Nairobi City Composting. Project analyzed cases of private sector valorization of organic wastes in Eastern and Southern Africa, and concluded that private interest works better than public benefit as a motivation for organic waste valorization. Countries Kenya, Malawi.

Trainings Delivered:

- ISWM Waste Management Study Visits: 2016: Egyptian public officials to the Netherlands; 2014: Haitian solid waste professionals in Costa Rica.
- Integrated Sustainable Waste Management and Planning, Valorization, Composting, Recycling 2004-2017:
- Facilitator, stakeholder meetings in La Marsa and Ettadhamin-Mnihla, Tunisia, 2014.
- ISWM trainings in recycling, Les Palmes Region, Haiti, 2011-2014
- ISWM for City Twinning and municipal co-operation, 2012-2014, 2006-2009, for the Dutch Municipal Association.
- 5-day university short course, Lilongwe, Malawi, 2011
- 3-day intensive training 2009-2011, Bitlis and Amasya, Turkey, Belgrade, Serbia, East London, South Africa, focusing on ISWM planning, finances and tariffs, community participation.
- Master Composter, Organized home-based waste management, 2007-2010: Hambantota and Kalmunai, Sri Lanka; Topoli, Varna, Bulgaria; Managua, Nicaragua; San José, Costa Rica

- The Netherlands, Costa Rica, Turkey, Bulgaria, Serbia, India, Sri Lanka, Mali, the Maldives, South Africa, Malawi, Tanzania, Indonesia, Nicaragua, USA, Thailand, Malaysia, Botswana.
- Waste management and recycling for public-private partnerships, 2006-2013

Publications

- Scheinberg, Anne (ed); Authors: J. Nestic, G. Vujic, V. Bacanovic, E. Schwab, B. Batinic, R. Vladislavljevic (2018 in finalisation). Report of the Impact Project: Assessment of the Informal Sector in Serbia. German International Co-operation (GIZ), Belgrade, Serbia.
- Scheinberg, Anne, J. Nestic, R.A. Savain, P.M. Sinnott, P. Luppi, F. Petean, and F.Pop (2016). From Collision to Collaboration: Integrating Informal Recyclers and Re-Use Operators in Europe, A Review. *Waste Management & Research* 2016, Vol. 34(9) 820–839. *Editor's Choice from the Special Conference Issue*
- Scheinberg, Anne (2016). Extended Producer Responsibility and the Informal Recycling Sector in Middle-income Countries. Chapter of the OECD Producer Responsibility Guidance Document. In press, publication expected 2015. Organization for Economic Coöperation and Development (OECD), Paris.
- Scheinberg, Anne, Jelena Nestic, and Malati Gadgil (2015). Waste Picking in Municipal Solid Waste Management Systems in Central Java: Orientation and Recommendations. Research report in English and Bahasa, pre Danish International Development Agency (DANIDA). October 2015
- Scheinberg, Anne and Rachel A. Savain (2015). *Valuing Informal Integration, Experiences of Inclusive Recycling in North Africa and the Middle East*. Book in French, English, and Spanish, prepared with practitioners and local experts, and based on two phases of analysis of the interactions between solid waste system modernization and informal integration in the nine members of SWEEP-Net, the solid waste association of the MENA region. German International Co-operation (GIZ), June 2015, www.GIZ.de. *This publication won the 2016 International Solid Waste Association Publications Award, Shared First Prize.*
- Scheinberg, Anne (2012). *Informal Sector Integration and High Performance Recycling: Evidence from 20 Cities*. WIEGO Working Paper Series, number 23. www.wiego.org.
- Scheinberg, Anne and Michael H. Simpson (2015). **A Tale of Five Cities:** Using recycling frameworks to analyze inclusive recycling performance. *Waste Management and Research*, v.33, nr. 11, November 2015
- Scheinberg, Anne (2014). *Recycling Frameworks: Visual and Institutional Analysis of Service and Value Chain Relationships*. International Solid Waste Management Association (ISWA) world congress, São Paolo, Brazil.
- Scheinberg, Anne and Jelena Nestic (2014). *Engaging Waste Pickers Inside the European Union, Report of a Consultation*. International Solid Waste ISWA world congress, São Paolo, Brazil.
- Scheinberg, Anne (2015). *Value Added, Modes of Sustainable Recycling in the Modernization of Waste Management Systems*. PhD Dissertation, Wageningen University and Research Centre, Wageningen, the Netherlands. WASTE, Gouda, the Netherlands.
- Scheinberg, Anne and Natalia Agathos (2011). Sustainable Valorization of Organic Urban Wastes. Insights from African Case Studies. Wageningen UR, the Netherlands.
- Scheinberg, Anne, Michael H. Simpson and Yamini Gupt (2010). "Economic Impacts of the Informal Sector in Solid Waste". Final revised report of the GTZ/CWG study of the same name. www.giz.de
- Scheinberg, Anne, David C. Wilson and Ljiljana Rodic (2010). "Solid Waste Management in the World's Cities." UN-Habitat's Third Global Report on Water and Sanitation in the World's Cities. Earthscan, Newcastle-on-Tyne, UK, & UN-Habitat, Nairobi, Kenya.
- Scheinberg, Anne and Arthur P.J. Mol (2009) "Multiple modernities; transitional Bulgaria and the modernization of solid waste management" with co-author. *Environment and Planning C*.
- Scheinberg, Anne et al (2008). Closing the Circle, Bringing Integrated Sustainable Waste Management Home. VNGI, the Association of Dutch Municipalities, 2008.
- Scheinberg, Anne and Justine Anschütz (2006). "Slim Pickin's: Supporting Waste Pickers in the Ecological Modernization of Urban Waste Management Systems." *International Journal of Technology Management and Sustainable Development*,
- Scheinberg, Anne (2003). 'The Proof of the Pudding: Re-evaluating the North American Recycling Experience in the Framework of Ecological Modernization Theory.' *Environmental Politics*, December 2003; Frank Cass Publishers.
- Scheinberg, Anne (1999). Worse Before it Gets Better: Prospects for Improvement in Municipal Waste Management Decisionmaking in CEE Countries in *Warmer Bulletin*, # 68, September 1999, pp. 18-22.
- United Nations Environmental Program (1996). The UNEP-IETC Solid Waste Sourcebook. (worked on the regions

Europe and Asia, and the topics Collection, Composting, Integrated Planning.

Scheinberg, Anne (1996). *Going Dutch: European Organics Collection Matures*. Resource Recycling, January 1996; Portland Oregon USA.

Scheinberg, Anne and Dee Cotherman (1991). *Business Recycling Manual*. INFORM; New York, USA

Scheinberg, Anne and Donna M. Smoler (1990). "European Food Waste Collection and Composting Programs." *Resource Recycling*, Vol. IX No. 12; December, 1990; Portland Oregon USA.

Wilson, DC, Rodic, L, Cowing, MJ, Scheinberg, A *et al.* (6 more authors) (2015) 'Wasteaware' Benchmark Indicators for Integrated Sustainable Waste Management in Cities. *Waste Management*, 35. 329 - 342. ISSN 0956-053X

Wilson David C., Rodic L., Scheinberg A., et al. (2012) Comparative analysis of solid waste management in 20 cities. *Waste Management & Research* 30: 237-254

Seminars and trainings developed and given, selection of last five years:

- "A Taste of Deep Democracy," one-day orientation to Deep Democracy as decision-making technique.
- Convenor, Organiser, Facilitator: First and Second Meeting of European Informal Recyclers and Re-users, side event to the ISWA Global Congress 2015, Antwerp, Belgium, 2016, Novi Sad, Serbia; under discussions for Eurasian Waste Management Symposium, 2018 Istanbul.
- Lecturer, University of Saõ Paulo, & Inclusive Recycling Observatory, Belo Horizonte, Brazil, September 2014.
- Facilitator, stakeholder meetings in La Marsa and Ettadhamin-Mnihla, Tunisia, 2014.
- ISWM study visit for Haitian solid waste professionals in Costa Rica, 2014
- Integrated Sustainable Waste Management Courses on Solid Waste, Recycling, Special Materials, 2000-2017:
 - o Study tour and training for the ROVA, regional waste management company (in process, 2018)
 - o 1-day training for Egyptian public officials in the Netherlands, 2014-2017
 - o 5-day University Short Course for Mzumzu University in Malawi, 2010;
 - o 3-day professional training in Serbia, 2010
 - o 2-day professional training in Bulgaria, 2007
 - o annual 2-day or 3-day professional training and study visit for North-South sister cities for the Association of Dutch Municipalities, 2006-2013
 - o 3-day International Workshop with short course component: East London, South Africa 2010
- Trainings on ISWM: Planning, Finances, North-South Communication, Participation, Data and information.
- Trainings related to Deep Democracy: "Taste of Deep Democracy," March 2018.