


CV

NAME	Pekka Huovila			
TITLE	Owner and Founder			
COMPANY	Sustainability Laboratory Oy (SLAB)			
WORK EXPERIENCE	40	YEARS IN THE COMPANY	6	
YEAR OF BIRTH	1957			
NATIONALITY	Finnish			
AREAS OF COMPETENCE	Sustainable Built Environment, Resource Efficiency, Circular Procurement			

Work Experience

2015 –	Sustainability Laboratory Oy : Sustainable Built Environment Consulting, Project Management, Research & Training
2016 – 18	Sweco Finland – Senior Expert
2013 – 14	VTT Technical Research Centre of Finland, Key Account Manager: Real Estate and Construction Sector, VTT EcoCities
2006 – 13	VTT, Principal Scientist
2003 – 11	University of Salford (UK), Visiting Professor: Sustainable Built Environment
1993 – 2005	VTT, Group Manager
1988 – 93	VTT, Researcher and Senior Researcher
1987 – 88	KTM, Finnish Embassy, Paris: Scientific Attaché
1987	SITO Oy, Structural Designer
1984 – 86	Peracam S.A. Cameroon: Technical Director in a Water Supply Project for Six Villages
1981	Perusyhtymä Libya: Site Engineer in Civil Work Projects
1980 – 84	Juva Oy, Structural Designer

Education

1984	University of Technology, Espoo: MScTech, Civil Engineering
1984 –	University of Helsinki: Economic, Political and Social Science Studies
2002	Helsinki School of Economics: HSE Executive Education MBA modules

Expert Positions

2020 –	International Scientific Committee Chair – Sustainable Built Environment Conference
2018 –	SWITCH-Asia SCP Facility's COI Housing Member Member of UfM Thematic Working Group on Affordable and Sustainable Housing
2017 – 20	Steering Committee Member – Global Alliance for Buildings and Construction

2017 – 19	International Scientific Committee Chair – Sustainable Built Environment Conference
2017 – 18	Experts Working Group Member – Policy Guidelines for Pakistan Green Building Code
2016 – 18	International observer – Resource Efficiency for the Building Sector, European Commission
2016 – 17	Task Force Leader – 10YFP Monitoring & Evaluation Framework, UN Environment
2013 – 14	Steering Group Member – MILESECURE-2050 (Multidimensional Impact of the Low-carbon European Strategy on Energy Security, and Socio-Economic Dimension up to 2050 perspective), EU
2008 – 12	Steering Group Member – SURegen (Urban Knowledge for Regeneration), UK
2010 – 11	Chair of the Jury – SuvelaSURGE, International Idea and Design Competition
2009 – 11	Chair of the International Scientific Committee – SB11 Helsinki World Sustainable Building Conference
2009 – 10	Chair of the International Scientific Committee – SB10 Finland Sustainable Community – buildingSMART Conference
2006	International Expert in the Sustainability Panel – Newcastle Urban Design Competition Byker Street, UK External Examiner, Member of the PhD Dissertation Committee – Georgia Institute of Technology, US

Languages

Finnish	Mother tongue	Swedish	Fluent
English	Fluent	German	Satisfactory
French	Fluent	Spanish	Basic

Selected Examples of Sustainable Built Environment Development Projects

2021 –	Small Business Support, EBRD	Specialist
2015 –	One Planet Network Sustainable Buildings and Construction Programme , Ministry of the Environment (Finland), FIGBC	Global UN Programme Coordinator
2016 – 18	Mobilization of innovative design tools for refurbishing of buildings at district level (MODER) , EC/Sweco	Energy and Environment Expert
2015 – 18	Sustainable Buildings and Construction Procurement, UN Environment	Project Manager and Lead Author
2015	10YFP Sustainable Buildings and Construction Programme, Ministry of the Environment, Finland	Programme Designer
2014	Building the capacity of UIR for EcoCity development in Morocco, Ministry for Foreign Affairs of Finland (MFA)	Project Manager and Expert
2012 – 14	EcoCity Capacity Building in New Borg El Arab City in Egypt, MFA Value Driven Life Cycle Based Sustainable Business Models Tekes/Eco-Innova Sustainable Education of the Construction Sector in Lusaka, Zambia, UM	Expert Project Coordinator and Expert Expert
2013	Fact Finding Mission to Libya, Ministry of Housing and Utilities, Libya Managing Urban Futures, Tanzania, AaltoPRO/Uongozi Institute/MFA Sustainable energy technologies and green cities for the Middle East, VTT	Project Manager and Expert Project Manager and Expert Project Manager and Expert
2012 - 13	Sustainable community and neighbourhood regeneration and development in the Maghreb region, VTT	Project Manager and Expert

2012	Sustainable procurement and successful management of the built environment supported by local innovation ecosystems in UAE and Qatar, VTT Development of the EcoCity concept for African markets, VTT	Project Manager and Expert Expert
2010 - 12	Sustainability and Performance assessment and Benchmarking of Buildings, EC FP7 Value Driven Procurement in Building and Real Estate, Tekes/Eracobuild From Demonstration Projects towards Volume Market: Innovations for One Stop Shop in Sustainable Renovation, Tekes/Eracobuild	Expert Project Coordinator and Expert Expert
2008 - 12	Sustainable Refurbishment – life-cycle procurement and management by public clients, Tekes/SusRen	Project Manager and Expert
2009 - 10	Procurement Handbook for Sustainable Buildings, CIB/UNEP – Case studies in Kenya and Vietnam	Project Manager and Expert
2008 - 12	Sustainable Refurbishment – life-cycle procurement and management by public clients, Tekes/SusRen	Project Manager and Expert

Invited Presentations

2021	State of Play for Circular Built Environment. I Foro Ciudades Bajas en Carbono y Resilientes al Clima virtual Conference 15 April 2021 Circular Economy Opportunities in the Global South. École des Ponts webinar International Conference Week Net Zero Carbon Strategy in Real Estate and Building Sector in the World by 2050, 12 April 2021
2020	Circular Transition in the Global South - Learnings from North, East and West, Special track in the virtual Beyond2020 Conference 4 November 2020 Circular Built Environment in Asia virtual Workshop, 28 October 2020 State of Play for Circular Built Environment in North America, Europe and GCC countries. WCEFonline virtual Side Event Workshop, 20 October 2020 Circular Built Environment in Latin America virtual Workshop, 19 October 2020 Circular Built Environment in Africa virtual Workshop, 15 October 2020 Housing for All: A Better Urban Future. World Habitat Day webinar, 5 October 2020 UN 2030 Agenda Sustainable Development Goals, Targets and Indicator mapping. First Global Conclusions In: Sustainable, Circular and Resilient Neighbourhoods. Experiences from Morocco and the Sustainable Buildings and Construction Programme, Virtual Workshop 5 June 2020 How to (re)build sustainable and resilient value chains at the local level? One Planet Network Executive Committee Virtual Workshop 19 May 2020 Circular Built Environment supporting Innovation in Cities Networking Event. World Urban Forum, Abu Dhabi 12 February 2020 Designing Cooler Cities – Keep Cool Naturally Side Event by UNEP. World Urban Forum, Abu Dhabi 12 February 2020 Managing sustainable cities and communities, Learning from all urban stakeholders Networking Event by FIDIC. World Urban Forum, Abu Dhabi 11 February 2020 A Culture of Living Green session by UN-Habitat. World Urban Forum, Abu Dhabi 10 February 2020
2019	Responsibly Sourced Building Materials as a Policy Instrument. COP24 Side Event, Stockholm/Madrid 4 December 2019 Sustainable Procurement supporting Circular Built Environment. University of Lagos 16 October 2019 Innovations in Sustainable and Circular Built Environment. Unlocking the Potentials of a Circular Economic Model in Nigeria. Stakeholders' Workshop at Sheraton, Lagos 15 October 2019

2018	<p>Circular Built Environment. Augmenting Nature by Green Affordable New-Habitat Conference, New Delhi 9 September 2019</p> <p>Sustainable Built Environment Knowledge Sharing Workshop, Amsterdam 6 June 2019</p> <p>Circular Economy in Construction Side Event, World Circular Economy Forum, Helsinki 4 June 2019</p> <p>Circular Economy in Built Environment. Good Practices from the Nordic Countries, Europe and Globally. COP24 Side Event, Katowice 5 December 2018</p> <p>One Planet Network Sustainable Buildings and Construction Programme, Collaboration Opportunities. Union for the Mediterranean Thematic Working Group meeting on Affordable Sustainable Housing, Brussels 21 September 2018</p> <p>One Planet Network Approach to Circularity. Circularity in the Built Environment enabled by Digitalization Event, Brussels 20 September 2018</p> <p>Tourism and Construction: Circular Economy solutions for SDG12, Side Event in High Level Political Forum on Sustainable Development, New York 18 July 2018</p> <p>Global Approach and Local Solutions in the SBC Programme at Circular Economy in Built Environment from Information Gaps to Profitable Business Workshop, WASCON Conference, Tampere 7 June 2018</p> <p>Sustainable Buildings and Construction Programme, One Planet Network Executive Meeting, Paris 31 May 2018</p> <p>SBC Programme Framework and Collaboration Opportunities, Sustainable Building Knowledge Sharing Workshop, Buenos Aires 12 April 2018</p> <p>Overview of the Sustainable Buildings and Construction Programme, webinar to the National Roundtable of the 10-Year Framework of Programmes on Sustainable Consumption and Production, Astana, Kazakhstan 14 March 2018</p> <p>SBC approach to Circular Economy in Buildings and Construction, World Urban Forum 9 Networking Event in Kuala Lumpur, Malaysia 11 February 2018</p> <p>UN 10YFP Sustainable Buildings and Construction Programme, Trust Fund Priorities, Nabta Smart Town kick off in Alexandria, Egypt 5 February 2018</p>
2017	<p>Circularity in Buildings and Procurement webinar presentation and facilitation, 19 December 2017</p> <p>Bâtiments durables en Afrique de l'ouest Training Workshop presentation and facilitation [in French]. Abidjan, 19 September 2017</p> <p>What does the Future of the Sustainable Building Sector look like? Global trends. WorldGBC Europa Regional Network meeting. Espoo, 14 June 2017</p> <p>The significance of current conditions, initiatives and trends in the Baltic Countries and Finland. WSBE17 Hong Kong, 7 June 2017</p> <p>Mainstreaming Sustainable Building and Construction. Plenary presentation in WSBE17 Hong Kong, 6 June 2017</p> <p>The SBC: Key objectives and projects. International Sustainable Housing Knowledge Sharing Workshop. London, 31 May 2017</p> <p>SBC Contributing to Resource-Efficient Cities. Brasilia, 7 April 2017</p> <p>Sustainable Procurement and Assessment of the Built Environment. São Paulo, 5 April 2017</p>
2016	<p>Sustainable Buildings and Construction Programme. SBE16 Cairo, 1 December 2016</p> <p>Sustainable Cities – Challenges and Opportunities. COP22 Marrakech 12 November 2016</p> <p>Sustainable Buildings and Construction in North Africa to mitigate climate change and to provide business opportunities – COP22 Marrakech 11 November 2016</p> <p>SBC and 10YFP Fighting against Climate Change. COP22 Marrakech 11 November 2016</p> <p>GABC Buildings day panel. COP22 Marrakech 10 November 2016</p> <p>Sustainable Housing for All: Global Partners, Local Solutions. Habitat III Quito 19 October 2016</p> <p>Successful Regeneration of Suburbs – Resource-Efficient Neighbourhood Regeneration Supporting Social Development. SBE16 Tallinn 5 October 2016</p> <p>Procuring Sustainable Buildings and Construction. SE4All Building Efficiency Accelerator webinar. Sustainable Procurement Principles for Building Efficiency, 19 July 2016</p> <p>Mainstreaming Sustainable Buildings and Construction. The 10 Year Framework of Programmes on SCP, Huangguoshu, China, 10 July 2016</p>

	<p>10YFP Sustainable Buildings and Construction Programme (SBC). CESB16 Prague Conference, the Czech Republic, 22 June 2016</p> <p>Innovative Business Opportunities from SBC in Emerging Economies and Developing Countries. CIB World Congress, WBC16 Special Forum, Tampere, 1 June 2016</p> <p>Opportunities and enabling conditions for sustainable buildings and construction in Latin America and the Caribbean and beyond. World Resources Forum Latin America and the Caribbean and the International Sustainable Building Congress 2016. San José, Costa Rica, 18 May 2016</p> <p>Sustainable Housing and Public Procurement. UNEP Expert meeting: Delivering the Sustainable Development Goals at City Level Sustainable Social Housing. San José, Costa Rica, 17 May 2016</p>
2015	<p>10YFP Sustainable Buildings and Construction Programme (SBC). COP21 Buildings Day. Le Bourget, France, 3 December 2015</p> <p>Buildings and Resource Efficiency: The 10YFP Programme on Sustainable Buildings and Construction (SBC). Keynote at UNEP-SBCI and GI-REC Joint Symposium in Nice, France, 26 June 2015</p> <p>Procurement of Sustainable Buildings. Using Core Indicators to establish a quantitative baseline. Joint Webinar 12 June 2015: Climate Finance for Cities and Buildings and Climate-related mechanisms to support Sustainable Public Procurement</p> <p>10YFP Sustainable Buildings and Construction Programme (SBC). Challenges and Opportunities. First Global meeting of the 10YFP SCP Programmes in New York, US, 15 May 2015</p> <p>10YFP Sustainable Buildings and Construction Programme (SBC). UN-Habitat Governing Council Side Event in Nairobi, Kenya, 20 April 2015</p>
2014	<p>VTT EcoCities. Examples and Approach towards the Mediterranean Region. Sixth meeting of the Commission for Sustainable Development. ARLEM Assemblée Régionale et Locale Euro-Méditerranéenne, Marseille 19 September 2014, France</p> <p>Co-hosting A World Urban Forum Side Event: VTT's ecocity concept for sustainable community and neighbourhood regeneration and development in Medellín, Colombia 10 April 2014</p> <p>VTT EcoCity concept for sustainable communities. Managing Urban Futures Workshop, Dar es Salaam, Tanzania 18-19 March 2014</p>
2013	<p>Introduction and facilitation of a Climate Cafeteria, an interactive data mining workshop on Sustainable procurement models at SB13 Oulu, 24 May 2013</p> <p>VTT's EcoCity Concept. College of the North Atlantic Qatar, hosted by Qatar Environment & Energy Research Institute, Qatar, 7 May 2013</p>
2012	<p>VTT's EcoCity Concept. University of Lajeado, Rio Grande do Sul, Brazil, 29 November 2012</p>
2011	<p>Approaches towards sustainable housing. UN Habitat, Nairobi, Kenya, 15 December 2011</p> <p>Sustainable Procurement of Buildings. Case: UN Handbook. Important Success Factors in Engineering and Construction Project Management. Vienna, Austria, 13 May 2011</p> <p>Sustainable Built Environment – Approaches, Metrics and Procurement. BUiD Dubai International Academic City, UAE, 22 March 2011</p> <p>Sustainable Built Environment – Approaches, Metrics and Procurement. Qatar University, Doha, 24 March 2011</p>
2008	<p>Frameworks and Indicators for Sustainable Urban Development. SB08 World Sustainable Building Conference, Special Forum. Melbourne, Australia 22 September 2008</p>
2007	<p>Strategy paper: Building Sector. GTZ Forum: Mitigating Climate Change – Creating Strategies for Development Co-operation. Eschborn, Germany 30 October 2007</p> <p>Performance Metrics for the Built Environment. Keynote at the 4th International Research Symposium (SCRI) in conjunction with the International Built and Human Environmental Research Week, Salford Quays, UK, 26 March 2007</p>
2005	<p>Table ronde panellist: Quartiers et bâtiments durables. [in French] PUCA Paris, France, 18 November 2005</p> <p>Sustainable Building: the European Way. Keynote presentation at the SBC SEA in Kuala Lumpur, Malaysia, 11 April 2005</p>

Publications

- Huovila, P. & Iyer-Raniga, I. 2021. Circularity Assessment using the UN 2030 Agenda Indicators. In: Crossing Boundaries 2021 Conference Proceedings
- Iyer-Raniga, I., Huovila, P. & Erasmus, P. 2021. Sustainable Buildings and Construction: Responding to the SDGs. In: W. Leal et al. (eds.), Sustainable Cities and Communities, Encyclopaedia of the UN Sustainable Development Goals, https://doi.org/10.1007/978-3-319-71061-7_61-1
- Huovila, P. & Iyer-Raniga, I. 2020. Mainstreaming Sustainable Housing for All. In: Beyond2020 Conference Proceedings
- Iyer-Raniga, I. & Huovila, P. 2020. Learning through sharing: beyond the traditional North-South learning models for a circular built environment. In: Beyond2020 Conference Proceedings
- Iyer-Raniga, I. & Huovila, P. 2020. Global State of Play for Circular Built Environment. A report on the state of play on circularity in the built environment across Africa, Asia, Europe, Gulf Cooperation Council countries, Latin America and the Caribbean, North America and Oceania. Final report October 2020 United Nations One Planet Network Sustainable Buildings and Construction Programme.
- Iyer-Raniga, I., Erasmus, P., Huovila, P. & Maity, S. 2019. Circularity in the Built Environment: A Focus on India. Chapter in: Leal Filho, W., Borges de Brito, P. & Frankenberger, F. (eds.) International Business, Trade and Institutional Sustainability. Springer World Sustainability Series, 739-755.
- Antuna, C., Garcia, J. & Huovila, P. 2019. Challenges in Adapting Sustainable City Solutions from Finland to Different Contexts Worldwide: A Libyan Case Study. *Energies* 2019. 12(10), 1883; doi:10.3390/en12101883
- Huovila, P., Iyer-Raniga, U. & Maity, S. 2019. Circular Economy in the Built Environment: Supporting Emerging Concepts. In: IOP Conf. Ser.: Earth Environ. Sci. 297 012003.
- Hakaste, H. & Huovila, P. 2019. Mainstreaming Affordable Sustainable Housing Practices in Developing Countries, SBE19 Helsinki Conference, 22-24 May 2019.
- Nieminen, J. & Huovila, P. 2019. Urban development tools for climate change mitigation, SBE19 Helsinki Conference, 22-24 May 2019.
- Linkola, L., Huovila, Pekka, Finamore, M. & Karhu, J. 2018. Global Understanding and Local Visions on Circular Economy in Built Environment, WASCON Conference, Tampere 6 June 2018
- Antuña, C., Huovila, Pekka, Huovila, A. & Corredor, A. 2014. Eco-innovative construction business models for social development. 24th Annual RESER conference "Services and New Societal Challenges: Innovation for Sustainable Growth and Welfare", RESER 2014, 11 - 13 September 2014, Helsinki, Finland. Conference proceedings, pp. 82 - 94. ISBN 978-951-38-7436-0 http://www.reser2014.fi/docs/RESER_2014_Proceedings.pdf
- Antuña, C., Huovila, A., Huovila Pekka, Hyvärinen, J., de Almeida, R., Lebègue, E., Lommi, J., Pinon, L. & Trinius, W. 2014. Eco-innovations in value driven sustainable building processes - Need for new business models, opportunities for SMEs. World Sustainable Building 2014, WSB14, 28 - 30 October 2014, Barcelona. Conference proceedings, pp. 12
- Huovila, Pekka & Antuña, C. 2014. Sustainable community and neighbourhood regeneration and development. Experiences from the approach and implementation of VTT's EcoCity concept. World Sustainable Building Conference, WSB14, 28 - 30 October 2014, Barcelona, Spain. Conference proceedings, pp. 9 - 15
- Antuña, C., Huovila, Pekka & Ruuska, A. 2013. VTT's EcoCity concept for sustainable community and neighbourhood regeneration and development. SB13 Manila Conference, Sustainable Buildings, Infrastructures and Communities in Emerging Economies, Manila, Philippines, 25 - 27 November 2013. SB13 Manila Conference Proceedings
- Antuña, C., Huovila, Pekka, Chitenge, B., Mwansa, J. & Mwanza, K. 2013. EcoLusaka project: education on sustainable construction for the construction sector in Lusaka, Zambia. Finnish Institute of Occupational Health. African Newsletter on Occupational Health and Safety, Vol. 23, No. 3, pp. 68 – 71
- Hedman, Å., Huovila, Pekka, Tuominen, P., Reda, F., Antuña, C., Jantunen, J., Pajula, T., ElMahgary, Y., El-Shazly, A., Tawfik, A., Shahin, M., Hamza, A. & Gamal, M. 2013. EcoCity capacity building in NBC, a collaboration project between Finland and Egypt. Sustainable Building Conference proceedings, SB13 Cairo, 5 - 7 November 2013, Cairo, Egypt.
- Ravesloot, C.M. & Huovila, Pekka. 2013. Sustainable Procurement Models. Analysing conditions and constraints in project management. Sustainable Building Conference proceedings, SB13 Oulu, 22 - 24 May 2013, Oulu, Finland.
- Huovila, Pekka, Hyvärinen, J., Mäkeläinen, T. & Huovila, A. 2013. Feasible frameworks and value models for development of value-oriented service. In: VTT Research Highlights 6, pp. 143 - 149. ISBN 978-951-38-7968-6

- Huovila, Pekka, Antuña, C., Soubra, S. & Trinius, W. 2013. ecobim - Value driven life cycle based sustainable business models. Implementing Sustainability, Barriers and Chances, Sustainable Building Conference, SB13 Munich, 24 - 26 April 2013, Munich, Germany. Proceedings, pp. 885 - 890
- Huovila, Pekka & Antuña, C. 2012. ECOCITIES, VTT's concept for sustainable community and neighbourhood regeneration and development. The World Sustainability Forum 2012 1 - 30 November 2012 proceedings, <http://sciforum.net/presentation/1146/>
- Hyvärinen, J., Huovila, Pekka & Porkka, J. 2012. Value procurement approach and tools for real estate sector. The 29th International Conference on Applications of IT in the AEC industry. Beirut, Lebanon, 17 - 19 October 2012: Lebanese American University. In: Issa, R. & Issa, C. (eds.) CIBW078 2012 Conference Proceedings, pp. 202 - 213
- Huovila, Pekka & Antuña, C. 2012. Review of the SB11 Helsinki World Sustainable Building Conference. Emerald Group Publishing Limited. Smart and Sustainable Built Environment, Vol. 1, No. 2, pp. 206 - 214
- Huovila, Pekka. 2012. Metrics for value creation in a sustainable knowledge society. In: VTT Research Highlights 1, pp. 23 - 26. ISBN 978-951-38-7819-1
- Huovila, Pekka & Antuña, C. 2012. Lessons from SB11 Helsinki. Building Research and Information, Vol. 40, No. 5, pp. 539 - 544 doi:10.1080/09613218.2012.711600
- Huovila, Pekka & Antuña, C. 2012. Special Theme: SB11 Helsinki World Sustainable Building Conference. International Journal of Sustainable Building Technology and Urban Development, Vol. 3, No. 1, pp. 10 - 14 doi:10.1080/2093761X.2012.679231
- Lefévre, P.H., Desmyter, J, Huovila, Pekka, Sakkas, N. & Garvin, S. 2011. Performance indicators for comfort, health and safety of the indoor environment: Main achievements of European Perfection coordination action. Helsinki World Sustainable Building Conference, Helsinki, 18 - 21 October 2011. pp. 1646-1654
- Huovila, Pekka, Kärnä, S. & Nenonen, S. 2011. How to approach user of built environment and workplaces: Methods, processes and recommendations. Helsinki World Sustainable Building Conference, Helsinki, 18 - 21 October 2011. pp. 1655-1665
- Huovila, Pekka & Koukkari, H. 2011. Sustainable policies and approaches: the Finnish case. Malta: Gutenberg. COST Action C25, Sustainability of Constructions, Integrated Approach towards Sustainable Constructions, Summary Report of Co-operative Activities. Bragança, L., Koukkari, H., Blok, R., Gervásio, H., Veljkovic, M., Plewako, Z. & Paul Borg, R. (eds.) Volume I, pp. 102-112. ISBN 978-99957-816-1-3
- Koskela, L. & Huovila, Pekka. 2010. Lean and Sustainability in Construction: a Second Look. SB10 Finland, Espoo, Sept. 22-24, 2010. In: SB10 Finland Proceedings, Espoo, Sept. 22-24, 2010, pp. 206-207. ISBN 978-951-758-506-4
- Ravesloot, C.M. & Huovila, Pekka. 2010. Public Procurement Systems in Sustainable Building. How to integrate Sustainability and Project Delivery Systems. In: SB10 Finland Proceedings, Espoo, Sept. 22-24, 2010, 294-295.
- Lombardi, P., Huovila, Pekka & Sunikka-Blank, M. 2010. The Potential of E-Participation in Sustainable Development Evaluation: Evidence from Case Studies. Chapter in: Reddick, C. (ed.) Politics, Democracy, and E-Government: Participation and Service Delivery. IGI Global. Hershey, New York (2010), 1-16.

Over 100 publications on sustainable built environment during the past 10 years, can be found e.g. at www.researchgate.net/profile/Pekka_Huovila/publications