

Urban Sustainability

Worldwide: *An Information Resource for Urban Practitioners*



Ministry for the
Environment
Manatū Mō Te Taiao

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About This Resource

Introduction

This publication provides a selection of urban sustainability information (websites, website reports and books) from countries other than New Zealand. It complements an earlier publication that compiled New Zealand information on urban sustainability¹. The aim of these two publications is to provide useful information to urban practitioners to assist them in creating liveable and sustainable towns and cities.

The target audience for this publication includes architects and designers, engineers, landscape architects, builders and building organisations, investors and developers, consultants, manufacturers and suppliers, infrastructure and utility providers, and councils. The resource is also likely to be of interest to a broader audience including education, business and community organisations and the general public. The material was compiled by BRANZ Ltd on the basis of recommendations provided by people from a range of organisations and disciplines who are working on urban sustainability issues.

The material has been arranged according to a number of topics, or dimensions of urban sustainability:

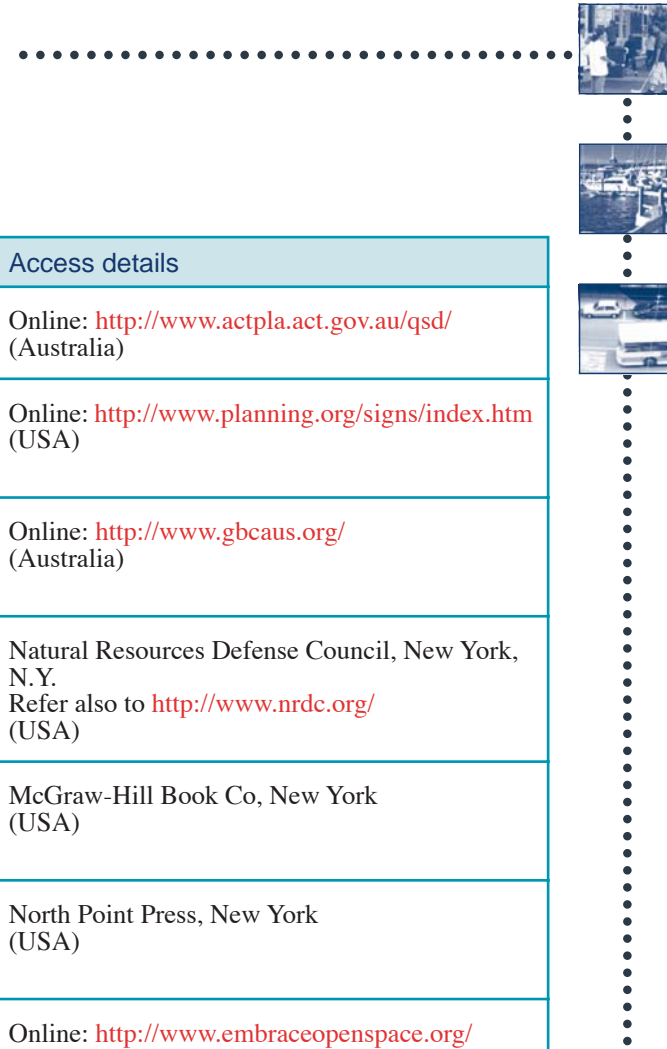
- Urban design, landscape and form
- Sustainable building
- Social aspects
- Environmental quality
- Resource conservation
- Urban economics
- Transport
- Risk management
- Governance
- Measuring progress

To some extent these topics overlap. To avoid duplication, where an item fits into more than one category, it is listed in a 'composite information' category in the final table in the document. The type of information (eg. book or website) is listed under the 'Description' column. The year of publication for books and website reports is noted in the 'Author' column. Many of the items can be investigated further by the reader through links and resources (such as newsletters, fact sheets, pdf files and books)².

¹ *Urban Sustainability in New Zealand: An Information Resource for Urban Practitioners. January 2003. Sustainable Management Fund, Ministry for the Environment.*

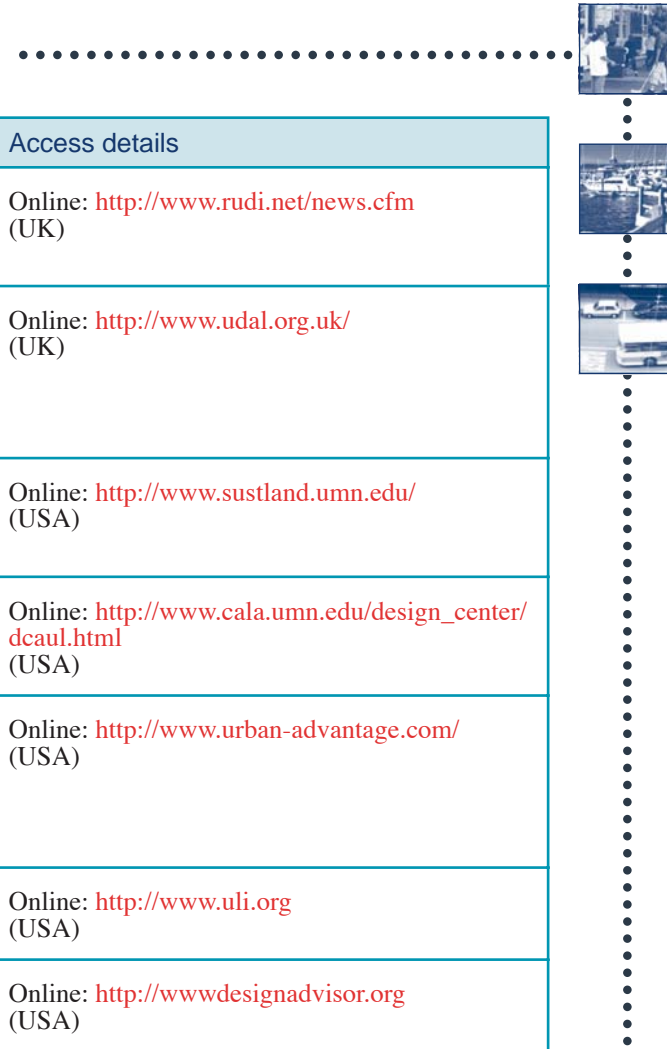
² *There may be instances where a website URL is no longer valid. It is suggested the reader goes to the parent site, or uses the site's search engine and/or an external search engine to locate the updated URL, or desired organisation/document.*





Tabulated Information (by topic)

Table 1: Urban Design, Landscape & Form			
Author	Title	Description	Access details
ACT Planning and Land Authority (ACTPLA)	Quality and Sustainable Design	Website: Contains material on crime prevention through urban design, and designing for high quality sustainable development.	Online: http://www.actpla.act.gov.au/qsdl/ (Australia)
APA Research Department	Context-Sensitive Signage Design	Website: A report for citizens and professionals on the issue of signage, downloadable from the website of the American Planning Association.	Online: http://www.planning.org/signs/index.htm (USA)
Australian Green Building Council (AGBC)		Website: Promotes a sustainable property industry in Australia and the adoption of green building practices through market-based solutions.	Online: http://www.gbcaus.org/ (Australia)
Benfield F K, Terris J and Vorsanger N (2001)	Solving Sprawl: Models of smart growth in communities across America	Book: Looks at case studies from 35 communities in US cities and suburbs that have followed the principles of Smart Growth to concentrate development on infrastructure already in place and revitalise older communities.	Natural Resources Defense Council, New York, N.Y. Refer also to http://www.nrdc.org/ (USA)
Bernick M S and Cervero R (1996)	Transit Villages in the 21st Century	Book: A guide to how transit village communities that hug metropolitan rail systems reduce traffic congestion and stimulate growth.	McGraw-Hill Book Co, New York (USA)
Duany A, Plater-Zyberk E and Speck J (2000)	Suburban Nation: The rise of sprawl and the decline of the American dream	Book: Examines how it is possible to replace automobile dominated settlement patterns of the last fifty years with a return to more traditional planning principles.	North Point Press, New York (USA)
The McKnight Foundation	Embrace Open Space	Website: Details a joint effort campaign of 11 organisations concerned about protecting open spaces in the Minneapolis/St Paul, Minnesota (US).	Online: http://www.embraceopenspace.org/openspace/ (USA)
European Academy of the Urban Environment (EAUE)	Database on Sustainable Urban Development in Europe - SURBAN	Website: A best practice database (SURBAN) which aims to encourage exchange of experience amongst local government decision makers in all spheres of sustainable urban development.	Online: http://www.eaue.de/default.htm (Germany/Europe)
European Construction Industry Federation (FIEC) (2001)	Competitiveness of the Construction Industry: An Agenda for sustainable construction in Europe	Website report: Aimed at raising the sustainability of construction activities and the quality of the built environment in Europe on a broad front.	Online: http://www.fiec.org/upload/1/publgeneralreport.pdf (European Union)



Author	Title	Description	Access details
RUDI Ltd	Resource for Urban Design Information (RUDI)	Website: Contains a considerable amount of material on urban design, including downloadable urban design journals from around the world. A free subscription for a week is available.	Online: http://www.rudi.net/news.cfm (UK)
Urban Design Alliance (UDAL)		Website: Promotes awareness of how urban design can help make healthier, more sustainable, and safer communities. Available under the “urban visions” link are practical guides on making roads/streets people-friendly, managing urban waterways & creating better places for business.	Online: http://www.udal.org.uk/ (UK)
University of Minnesota	Sustainable Urban Landscape Information Series (SULIS)	Website: Contains practical information on the sustainable landscape process that includes: planting, installation, construction and maintenance.	Online: http://www.sustland.umn.edu/ (USA)
University of Minnesota	Design Center for the American Urban Landscape	Website: Examines how design can be used to make the metropolitan landscape more liveable and sustainable.	Online: http://www.cala.umn.edu/design_center/dcaul.html (USA)
Urban Advantage	Urban Advantage: Envisioning Smart Growth	Website: Uses digital technology to aid in visualizing growth options with the intent of turning vision into reality. Produces photo-real images to assist architects, planners and residents to envisage how pedestrian-friendly and socially-interactive communities can be created.	Online: http://www.urban-advantage.com/ (USA)
Urban Land Institute (ULI)		Website: Provides a range of resources for land use professionals and developers, including access to research.	Online: http://www.uli.org (USA)
US Department of Housing and Urban Development	Affordable Housing Design Advisor	Website: A guide to designing affordable houses that are functional, durable, respond to context, and enhance the neighbourhood.	Online: http://www.designadvisor.org (USA)
Westerman H L (1998)	Cities for Tomorrow - Integrating Land Use, Transport and the Environment	Book and CD: Prepared for Austroads, it comprises A Guide to Better Practice (Vol 1) and Resource Document (Vol 2)	ARRB Transport Research Ltd, Victoria (Australia)

Table 1: Urban Design, Landscape & Form



Table 2: Sustainable Building			
Author	Title	Description	Access
Australian Green Development Forum (AGDF)		Website: Aims to accelerate the adoption of sustainable practices in the building and development industry through application of voluntary industry guidelines and market-based mechanisms.	Online: http://www.agdf.com.au/ (Australia)
Australian Greenhouse Office (AGO)	Your Home: Design for Lifestyle and the future	Website: A suite of consumer and technical guidance material to encourage the design, construction or renovation of homes to be healthy, comfortable and environmentally sustainable. The associated book contains fact sheets and case studies available on a CD-ROM.	Online: http://www.greenhouse.gov.au/yourhome A text (Your Home Your Future Your Lifestyle, 2001) can be ordered online via: http://yourhome.gov.au/ (Australia)
Bordass W and Leaman A	Usable Buildings	Website: Information on producing safe, comfortable, convenient and healthy improvement of buildings through better design, construction and management.	Online: http://www.usablebuildings.co.uk/ (UK)
Building and Social Housing Foundation (BSHF) (2002)	Sustainable Housing Solutions: Transferring good practice from the margins to the mainstream	Website report: Outcomes and practical options for reducing the barriers to and creating a market for sustainable housing solutions.	Online: http://www.bshf.org/publications/index.html (UK)
Center for Resourceful Building Technology (CRBT)		Website: Promotes environmentally responsible practices in construction by encouraging technologies which involve the sustainable and efficient use of resources.	Online: http://www.crbt.org/ (USA)
Centre for the Built Environment (CeBE)		Website: Research and projects that contribute to the long term sustainability of the built environment.	Online: http://www.lmu.ac.uk/cebe/ (UK)
City of Austin	Sustainable Building Sourcebook	Website: Developed to complement the Green Building Program. Provides practical information on appropriate building options.	Online: http://www.greenbuilder.com/sourcebook (USA)
CSIR Building and Construction Technology	Sustainable Settlement in South Africa	Website: Provides a central point of access to information and organisations in southern Africa that support the creation of a sustainable built environment.	Online: http://www.sustainablesettlement.co.za/ (South Africa)
Department of Infrastructure, Planning and Natural Resources (DINPR)		Website: Contains material on BASIX (the Building Sustainability Index), and Sustainable Urban Settlement Guidelines, as well as guidance on urban design and affordable housing.	Online: http://www.planning.nsw.gov.au/index1.html See under 'Sustainability' under 'Setting the Directions' on the main menu. (Australia)



Author	Title	Description	Access
du Plessis C (2002)	Agenda 21 for Sustainable Construction in Developing Countries	Website report: This discussion document represents both a sector response and a developing country response to the challenge of sustainable development building upon the principles of Agenda 21.	Online: http://www.cibworld.nl/pages/begin/Agenda21Book.pdf Hardcopy can be ordered from hbekker@csir.co.za (South Africa)
Florida Design Initiative (FDI)		Website: This initiative serves to help those who plan and develop communities by using new standards of practice that include the design and construction of high-performance, energy-efficient, and sustainable buildings and communities.	Online: http://sustainable.state.fl.us/fdi/index.html (USA)
International Council for Research and Innovation in Building and Construction (CIB)		Website: Provides a global network for exchanging information on building and construction research and innovation.	Online: http://www.cibworld.nl/pages/gi/Default.html#parent (Netherlands)
International Initiative for Sustainable Built Environment (iisBE)		Website: Aims to facilitate and promote the adoption of tools, methods and policies for progress towards a global sustainable built environment. Contains a useful and extensive database - the Sustainable Building Information System.	Online: http://greenbuilding.ca/iisbe/start/iisbe.htm or Online: http://iisbe.org (Canada)
Joseph Rowntree Foundation	The Housing Innovation Site	Website: Provides an extensive resource on topics relating to innovation in housing. Includes information on initiatives and projects both in the UK and worldwide.	Online: http://www.rethinkinghousebuilding.org/ (UK)
Kibert C J (Editor) (1999)	Reshaping the Built Environment: Ecology, ethics, and economics	Book: Discusses a new direction for building construction which emphasises a role for natural systems. Provides information on topics including decision making, urban economics, building materials, resource conservation.	Island Press, Washington D.C. (USA)
New Buildings Institute (NBI)		Website: Provides on guidelines, codes and standards relating to materials and resources required to produce sustainable buildings.	Online: http://www.newbuildings.org/ (USA)
Oikos	Oikos Green Building Source	Website: Dedicated to sustainable and energy-efficient construction. Its frequently updated newsletter and green building product database is particularly useful.	Online: http://oikos.com/index.lasso (USA)

Table 2: Sustainable Building



Table 2: Sustainable Building

Author	Title	Description	Access
Pacific Northwest Pollution Prevention Resource Center (PNPPRC)		Website: Provides good information and facilitates information exchange for a number of (urban) pollution prevention projects. Other themes dealt with include green building (with calculator tools) and children’s development (e.g. Sustainable Designs for Schools - practical applications (1999).	Online: http://www.pprc.org/pprc/pubs/topics/greencon/toc.html http://www.pprc.org/pprc/pubs/topics/schools/apply.html (USA)
Partnership for Advancing Technology in Housing (PATH)		Website: A public-private initiative dedicated to accelerating the development and use of technologies that radically improve the quality, durability, energy efficiency, environmental performance, and affordability of housing in the US.	Online: http://www.pathnet.org/ (USA)
Passiv Haus Institut		Website: Includes various studies of high-efficiency energy systems in houses, including the CEPHEUS (Cost Efficient Passive Houses as European Standards).	Online: http://www.passiv.de/ (Germany)
Queensland Government Department of Housing	New Approaches to Housing	Website: Contains strategies for affordable housing in sustainable communities, and the Smart Housing initiative	Online: http://www.housing.qld.gov.au/new_approaches_to_housing/ (Australia)
Royal Melbourne Institute of Technology (RMIT)	The Australian EcoSpecifier Project	Website: Provides advice on sourcing environmentally preferable building materials.	Online: http://ecospecifier.rmit.edu.au/flash.htm (Australia)
US Green Building Council (USGBC)		Website: Provides sustainable design tools and resources available to assist green building practitioners and building industry stakeholders.	Online: http://www.usgbc.org/ (USA)
Vale B and Vale R (2000)	The New Autonomous House	Book: Features include the theory, practice and performance of building a zero-emissions house in the UK. There is some discussion of relevance to the New Zealand situation in the book.	Thames & Hudson, London (UK/Australia)
Vale R, Vale B and Fay R (for Environment Australia) (2001)	National Australian Building Environmental Rating Scheme (NABERS)	Website report: NABERS is a “broad brush” tool designed to give a rating of the overall environmental impact of a building. A second version is currently under development.	Online: http://www.ea.gov.au/industry/construction/nabers/progress/pubs/nabers-dec2001.pdf (Australia)



Table 3: Social Aspects			
Author	Title	Description	Access
Canada Mortgage and Housing Corporation (CMHC)		Website: Provides good information promoting the concept of using sustainable practices to create better houses. Includes practical information via links to the Healthy Housing and Sustainable Community Planning projects.	Online: http://www.cmhc-schl.gc.ca/en/about/whwedo/index.cfm (Canada)
City Repair	The City Repair Project	Website: Practical information pertaining to a Portland, Oregon initiative formed by citizens who are aiming to create a more community-oriented and ecologically sustainable society.	Online: http://www.cityrepair.org/ (USA)
Foran B and Poldy F (2002)	Future Dilemmas: Options to 2050 for Australia's population, technology, resources and environment	Website report: A technical report which explores the effect of three population scenarios on infrastructure, resource and environmental issues out to 2050.	Online: http://www.cse.csiro.au/research/Program5/publications/02-01.pdf (Australia)
Governments of Canada and Québec and United Towns Organisation (UTO)	MOST (Management of Social Transformations) Programme	Website: Describes the MOST project "Towards socially sustainable cities: building a knowledge base for urban management". Using international case studies, the project looks at city management from a social sustainability perspective.	Online: http://www.unesco.org/most/ A text (The Social Sustainability of Cities, 2000) can be ordered from the site. (Canada)
Jonathan Rose Companies LLC	Rose-Network.Com	Website: Provides information using international case studies to highlight the development of diverse, mixed-use, transit-accessible, mixed-income communities or components focused on nodes of transportation. Contains useful resources pertaining to urban revitalisation and green building.	Online: http://www.rose-network.com/ (USA)
Population Connection	Kid Friendly Cities	Website: Provides material on how to make cities more friendly and healthy for children, including report cards on US cities.	Online: http://www.kidfriendlycities.org/2001/ (USA)
Putnam R D (2000)	Bowling Alone: The Collapse and Revival of American Community	Book: Examines how American citizens have largely abandoned the values that constitute basic neighbourliness to the point where civic malaise is increasing despite economic prosperity. Contains information suggesting how citizens can be 're-engaged' and improve urban social capital.	Simon & Schuster (USA)
Social Science Information Gateway (SOSIG)		Website: Provides a gateway to resources about topics including urban growth, the built environment and the urban community.	Online: http://www.sosig.ac.uk (UK)
The Robert Wood Johnson Foundation	Active Living By Design	Website: Establishes and evaluates innovative approaches to increase physical activity through community design, public policies and communications strategies. Contains a selection of tools for implementing such approaches plus access to extensive publications and links.	Online: http://www.activelivingbydesign.org (USA)



Table 4: Environmental Quality			
Author	Title	Description	Access
Construction Industry Research and Information Association (CIRIA)	Sustainable Drainage Systems (SUDS)	Website: Provides an introduction to sustainable drainage systems and updates on current good practice in their use. There are links to case studies and access to a bulletin “Sustainable Drainage News”.	Online: http://www.ciria.org/suds/index.html http://www.ciria.org.uk/ (UK)
CSIRO Manufacturing & Infrastructure Technology (CMIT)	Green Initiatives/Urban Water	Website: Includes information on home energy ratings, building ventilation, an urban water program, integrated land use-transport-environment, modelling and energy efficient design.	Online: http://www.cmit.csiro.au/research/special/green/ http://www.cmit.csiro.au/research/urbanwater/ (Australia)
Department for International Development (DFID) and European Union	Global Footprints	Website: A resource developed for primary schools aimed at empowering the whole school community, but particularly the young, to take steps to a more sustainable lifestyle. Provides links to sites specifically related to the concept of the ecological footprint.	Online: http://www.globalfootprints.org/home/index.htm (UK/European Union)
Environmental Management Secretariat (EMS-SEMA)		Website: Focuses on managing urban environmental problems through the promotion of applied research with emphasis on holistic and participatory approaches.	Online: http://www.ems-sema.org/english/index.html (Uruguay/Canada)
European Environment Agency (1999)	Environment in the European Union at the turn of the century	Website report: Examines current and future environmental performance and against agreed political targets at the EU level. Topics covered include the wider impacts of environmental degradation on human and activities in key economic sectors contributing to environmental trends.	Online: http://reports.eea.eu.int/92-9157-202-0-sum/en/eu_98_uk.pdf (summary report) Downloadable full report or separately available sections of interest. (European Union/Denmark)
Low Impact Development (LID) Center		Website: Provides practical information to individuals and organisations wishing to protect and enhance water resources through site design techniques that replicate pre-existing hydrologic site conditions. Refers to useful urban-based projects and publications.	Online: http://www.lowimpactdevelopment.org/ (USA)
Nonpoint Education for Municipal Officials (NEMO)		Website: Provides practical information on improving the relationship between urban land use and protection of natural resources with a strong focus on storm water and landscaping aspects. Case studies include alternatives to pavements, reducing road run-off, and blending buildings into landscapes.	Online: http://nemo.uconn.edu/ (USA)
Wulkan B, Tilley S and Droscher T (2003)	Natural Approaches to Stormwater Management	Website report: Promotes a more natural way to manage land development and storm water using a low impact development (LID) approach. Examples are used to highlight applicability to individual homes and residential subdivisions.	Online: http://www.psat.wa.gov/Publications/LID_studies/lid_natural_approaches.pdf (USA)

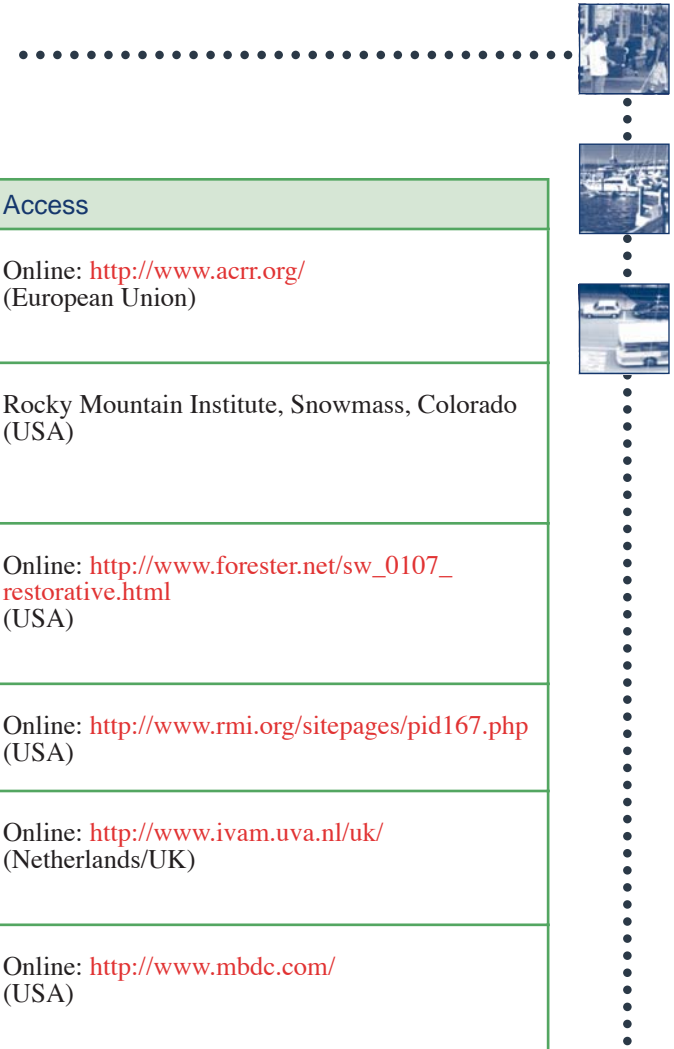


Table 5: Resource Conservation			
Author	Title	Description	Access
Association of Cities and Regions for Recycling (ACRR)		Website: An international network of cities and regions for the exchange of information and experiences on the prevention at source, recycling and recovery of municipal solid waste.	Online: http://www.acrr.org/ (European Union)
Datta E K, Feiler T, Lehmann A, Lovins A B, Rábago K R, Swisher J N and Wicker K (2002)	Small is Profitable: The hidden economic benefits of making electrical resources the right size	Book: Describes how distributed energy resources could displace traditional electricity generation and transmission by using new technologies, market forces, institutional structures, analytic methods and societal preferences.	Rocky Mountain Institute, Snowmass, Colorado (USA)
Ferguson B, Pinkham R and Collins T (2001)	Restorative Redevelopment: The Nine Mile Run Model	Website: Presents a model for resolving a history of chronic sewer overflows in the Pittsburgh (US) region. Examines how urban communities and watersheds can be restored and revitalised.	Online: http://www.forester.net/sw_0107_restorative.html (USA)
Home Resource Efficiency		Website: Provides links to practical information of interest to local authorities and consumers on home resource efficiency.	Online: http://www.rmi.org/sitepages/pid167.php (USA)
IVAM (Universiteit van Amsterdam Holding BV)	Research and Consultancy for a Sustainable Society	Website: Provides background information on a number of sustainability related projects in areas including sustainable building, energy, quality of living and cleaner production.	Online: http://www.ivam.uva.nl/uk/ (Netherlands/UK)
McDonough Braungart Design Chemistry (MBDC)		Website: Examines how products and services can be designed based on patterns found in nature, eliminating the concept of waste entirely. Applications are transferable from the industrial to the urban environment.	Online: http://www.mbdc.com/ (USA)
McDonough W and Braungart M (2002)	Cradle to Cradle: Remaking the way we make things	Book: Describes how an industrial system that “takes, makes and wastes” can become a creator of goods and services that generate ecological, social and economic value. Relatively new concepts such as ‘triple top line’ and ‘eco-effectiveness’ are discussed.	North Point Press, New York (USA)



Table 5: Resource Conservation

Author	Title	Description	Access
Otto B K	About: Sustainability	Website report: A guide, prepared for the Design Council (UK), on sustainable design which covers topics such as dematerialisation, disassembly, energy use, life extension, and transport.	Online: http://www.designcouncil.org/webdav/servlet/XRM?Page/@id=6046&Session/@id=D_676Kv9IH25WJoOoGKnGb&Document/@id=1678 (UK)
Reese A J (2001)	Stormwater Paradigms	Website: Provides an informative overview about the evolution of US storm water practice detailing progress from early to modern storm water paradigms and the challenges involved in establishing a new paradigm.	Online: http://www.forester.net/sw_0107_stormwater.html (USA)
savewater.co.au	Save Water	Website: A guide for saving water in residential settings. For example, this site provides a 'virtual house tour' allowing the homeowner to identify those aspects where resource savings can be made.	Online: http://www.savewater.com.au/default.asp (Australia)
Sustainable Energy Authority of Victoria (SEAV)		Website: Presents new initiatives to accelerate the adoption of sustainable energy across all sectors of the Victorian economy.	Online: http://www.seav.vic.gov.au/ (Australia)
Sustainable Energy Development Authority (SEDA)		Website: Outlines ways in which greenhouse gas emissions can be reduced so as to bring benefits to the NSW communities by accelerating the transition to sustainable production and use of energy.	Online: http://www.seda.nsw.gov.au/ (Australia)
Various UK Energy Efficiency Advice Centres	Save Energy UK	Website: Contains a wealth of information designed to help homeowners proceed on a sustainable path to save resources, reduce waste and rehabilitate their home.	Online: http://www.saveenergy.co.uk/ (UK)
von Weizäcker E U, Lovins A B and Lovins L H (1997)	Factor Four: Doubling wealth, halving resource use	Book: Factor Four describes a wealth of examples of how to revolutionise productivity; how at least four times as much wealth can be extracted sustainably from the resources the world.	Earthscan, London (USA/Germany)
Wilson A, Seal J L, McManigal L A, Lovins L H, Cureton M, and Browning W D (1998)	Green Development: Integrating Ecology and Real Estate	Book: Uses 80 case studies where environmental considerations are viewed as opportunities rather than obstacles to create fundamentally better buildings and communities.	Can be ordered online: http://www.rmi.org/store/p385pid958.php (USA)

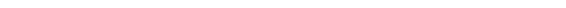
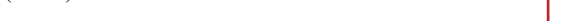
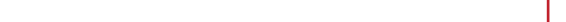
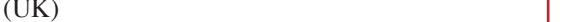


Table 6: Urban Economics			
Author	Title	Description	Access
Elkington J (2002)	The Chrysalis Economy: how citizen CEOs and corporations can fuse values and value creation.	Book: Aimed at a wide cross-section audience and provides some preliminary navigation tools for making progress towards the 'moving target' of sustainability.	Capstone, Oxford (UK)
Hawken P, Lovins A B and Lovins L H (1999)	Natural Capitalism: Creating the next industrial revolution	Book: Describes a future in which business and environmental interests increasingly overlap, and simultaneously, ways in which businesses can better satisfy their customers' needs, increase profits, and help solve (urban) environmental problems.	Little, Brown & Co, Boston (USA)
Holliday Jr C O, Schmidheiny S and Watts P (2002)	Walking the Talk: The business case for sustainable management	Book: Uses case studies which argue business can, and indeed must, be an agent of positive change for the environment and to reduce prime social ailments such as poverty.	Greenleaf, Sheffield (UK)
Litman T A (2003)	Economic Value of Walkability	Website report: Describes ways to quantify the value of walking (the activity) and walkability (the quality of walking conditions, including safety, comfort and convenience).	Online: http://www.americawalks.org/PDF_PAPE/Litman.pdf (Canada)
Nattrass B and Altomare M (2002)	Dancing with the Tiger: Learning sustainability step by natural step	Book: Presents case studies from individuals, teams and organisations learning about change and sustainability, and then acting on that learning. Case studies include some of the most successful companies and communities in North America.	New Society Publishers, Gabriola Island, BC (USA)
SustainAbility		Website: Encourages the evolution and widespread adoption of thinking and practices which are economically competitive, environmentally sound, and socially responsible - the 'triple-bottom line of sustainable development'. Has an extensive range of reports and resources which can be ordered online.	Online: http://www.sustainability.com/home.asp (UK)
Swisher J (2003)	The New Business Climate: A guide to lower carbon emissions and better business performance	Book: An easy to follow guide which outlines opportunities for business, educational and governmental organisations to get involved in renewable energy, fuel cells, energy efficient products and climate change remediation technologies.	Rocky Mountain Institute, Snowmass, Colorado (USA)
The World Business Council for Sustainable Development (WBCSD)		Website: Aims to demonstrate business progress in environmental and resource management and corporate social responsibility and to disseminate leading-edge sustainable practices. Access is available to reports and case studies covering topics such as 'sustainable livelihoods', eco-efficiency and risk management.	Online: http://www.wbcd.org/ (UK)
Wackernagel M and Rees W (1996)	Our Ecological Footprint: Reducing human impact on the earth	Book: Discusses sustainability by representing the ecological footprint as a powerful tool for measuring and visualizing the resources required to sustain households and communities.	New Society Publishers, Gabriola Island, BC (Canada)



Table 7: Transport

Author	Title	Description	Access
Commission for Integrated Transport (CfIT)		Website: Provides independent advice to the UK Government on the implementation of integrated transport policy, to monitor cross-sector transport developments, environment, health and other sectors and to review progress towards meeting sustainability objectives.	Online: http://www.cfit.gov.uk/ (UK)
Crawford J H (2002)	Carfree Cities and carfree.com	Book and website: Offers practical solutions to urban problems caused by a reliance on cars and trucks.	International Books, Utrecht. The book can be ordered via http://www.carfree.com (USA)
Dekoster J and Schollaert U (1999)	Cycling: the way ahead for towns and cities	Book: Examines the issues connected with the use of the bicycle as a regular mode of transport in the urban environment.	Online: http://europa.eu.int/comm/environment/cycling/cycling_en.pdf (European Union)
Dora C and Phillips M (Editors) (2000)	Transport, Environment and Health	Website report: Aims to inform policy analysts, decision makers, and politicians about the health and environment effects of transport and the means to reduce those effects.	Online: http://www.who.dk/document/e72015.pdf WHO Regional Publications, European Series, No. 89 (Denmark/WHO)
Frank L D, Engelke P, Hourigan D, Schmid T L and Killingsworth R (2001)	How Land Use and Transportation Systems Impact Public Health - Active Community Environments (ACEs) Working Papers #1 and #2	Website report: Discusses how urban form affects public health, specifically through the ways in which the built environment encourages or discourages physical activity levels.	Online: http://www.cdc.gov/nccdphp/dnpa/pdf/aces-workingpaper1.pdf (main report) http://www.cdc.gov/nccdphp/dnpa/pdf/aces-workingpaper2.pdf (bibliography) (USA)
Hillman M (1999)	The Impact Of Transport Policy On Children's Development	Website: Outline of strategies intended to return to children the wide range of opportunities that they need for their development.	Online: http://www.spokeseastkent.org.uk/mayer.htm (UK)
Organisation for Economic Co-Operation and Development (OECD)	Environmentally Sustainable Transport (EST)	Website: Establishes a framework for government to set goals, objectives, targets or standards and initiate actions to assist in achieving an environmentally sustainable transport system.	Online: www.oecd.org/topic/0,2686,en_2649_34363_44954_1_1_1_37433,00.html (Europe)
Scheurer J	Car-free Housing in European Cities	Website: Presents information, including case studies, on urban living strategies which contribute to a high quality of life without the need to own or use a car.	Online: http://www.wistp.murdoch.edu.au/publications/projects/carfree/carfree.html (Australia)



Author	Title	Description	Access
State of Florida (1999)	Final Report of the Transportation and Land Use Study Committee	Website report: Presents the recommendations of State of Florida's Transport and Land Use Study Committee which recommends implementation of Smart Growth and Smart Communities principles.	Online: http://www.dot.state.fl.us/planning/publications/landusestudy.pdf (USA)
The Centre for Sustainable Transportation		Website: Provides a range of material to inform stakeholders and raise awareness about sustainable transportation.	Online: http://www.cstctd.org/ (Canada)
Tolley R (Editor) (2002 - 2nd edition)	The Greening of Urban Transport: Planning for walking and cycling in Western cities	Book: Presents a thorough review of how the quality of our life in Western cities can be improved by environmentally sensitive transport planning. It provides a primer on the "green modes" - walking and cycling - and describes the theory and illustrates the practice.	John Wiley & Sons, Chichester (UK)
University of California	University of California Transportation Center	Website: Provides access to a large range of transport research results through working papers, journal articles and its magazine ACCESS, in which recent articles cover parkways, bicycle safety, congestion, induced travel, and freight.	Online: http://www.uctc.net/ (USA)
US Department of Transportation, Federal Highway Administration (FHWA)		Website: Provides access to transportation reports on topics such as: transport corridors, pedestrian access, travel and land use, bicycling and walking.	Online: http://www.fhwa.dot.gov/ (USA)
Victoria Transport Policy Institute (WTPI)		Website: Develops innovative, practical and sustainable solutions to transportation problems.	Online: http://vtpi.org/ (Canada)
Warren Centre for Advanced Engineering	Sustainable Transport in Sustainable Cities	Website: Contains the findings of this research to develop a strategic plan for managing accessibility in cities in the 21st century.	Online: http://www.warren.usyd.edu.au/transport/index.html (Australia)
World Bank	World Bank - Urban Transport	Website: Offers access to reports on environmental and energy impacts, transportation planning, transport strategies and urban development.	Online: http://www.worldbank.org/transport/ut_over.htm (USA/World Bank)
World Business Council for Sustainable Development (WBCSD) (2002)	Mobility 2001	Website report: Examines sustainable mobility as a 'snapshot': how mobile people and goods are in various regions; and the extent to which mobility is threatening to become unsustainable.	Online: http://www.wbcsdmobility.org/publications/files/mobility2001/english_full_report.pdf (UK)

Table 7: Transport

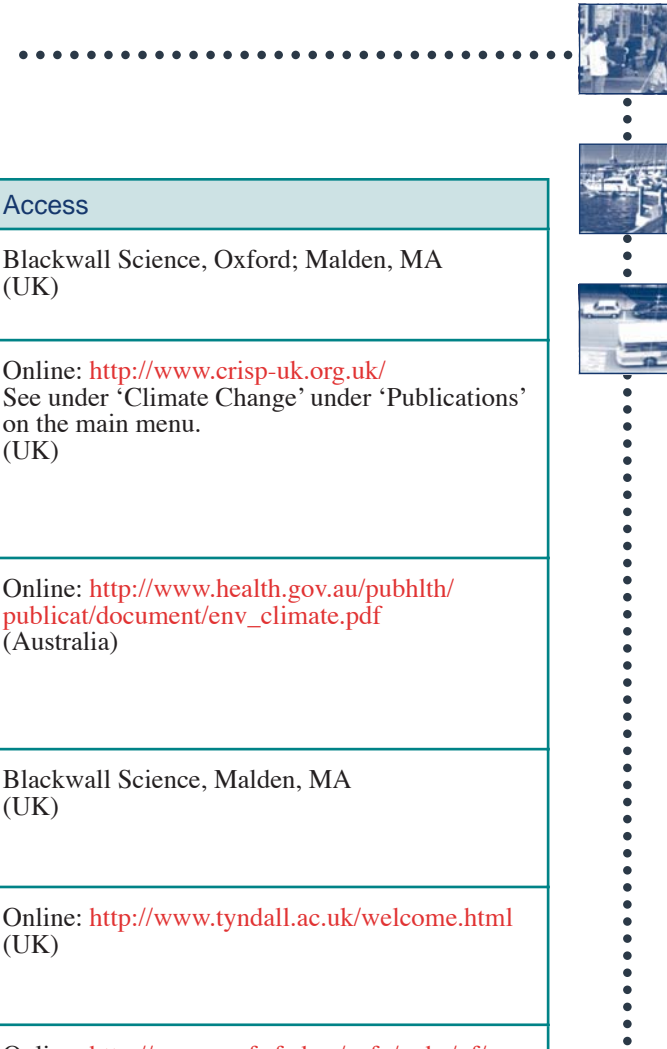


Table 8: Risk Management

Author	Title	Description	Access
Callow P (Editor) (1997)	Handbook of Environmental Risk Assessment and Management	Book: Explains, with examples, how scientific methodologies can be used to assess risk from human activities, and the risk from those wastes on people and the (urban) environment.	Blackwall Science, Oxford; Malden, MA (UK)
Lowe R (2001)	A Review of Recent and Current Initiatives on Climate Change and its Impact on the Built Environment: Impact, effectiveness and recommendations	Website report: Examines the need to ensure climate change adaptation strategies are developed with due consideration for other agendas for change within the construction industry and the built environment.	Online: http://www.crisp-uk.org.uk/ See under 'Climate Change' under 'Publications' on the main menu. (UK)
McMichael A, Woodruff R, Whetton P, Hennessy K, Nicholls, N, Hales S, Woodward A and Kjellstrom T (2003)	Human Health and Climate Change in Oceania: a risk assessment 2002	Website report: Provides, from a health perspective, a risk assessment of various potential health impacts of climate change over the coming decades in Australasia and the Pacific Islands. Examines ways of assessing and estimating risk factor-disease relationships particularly in urban and coastal settlements.	Online: http://www.health.gov.au/pubhlth/publicat/document/env_climate.pdf (Australia)
Petts J (Editor) (1999)	Handbook of Environmental Impact Assessment Volumes I and II	Book: Volume I addresses environmental impact assessment (EIA) in the context of sustainable development. Volume II considers EIA practice internationally and provides 'how to' guidance.	Blackwall Science, Malden, MA (UK)
Tyndall Centre for Climate Change	Decarbonising Modern Societies	Website: Assesses options for decarbonising modern societies in line with the global, UK and local contexts of sustainable development. Projects include the Community Carbon Reduction Project (www.cred-uk.org).	Online: http://www.tyndall.ac.uk/welcome.html (UK)
O'Brien J G (1992)	Urban Tree Risk Management	A community guide, prepared for the USDA Forest Service, to assist the development and implementation of programmes to manage risks to urban trees.	Online: http://www.na.fs.fed.us/spfo/pubs/uf/utrm/index.htm (USA)
Victorian EPA (2002)	The Australian Greenhouse Calculator	Website: Available on-line or as CD-ROM, this programme calculates yearly greenhouse gas emissions for households and is suitable as a school teaching resource, and for home advisory services, consumer organisations, etc.	Online: http://www.epa.vic.gov.au/GreenhouseCalculator/calculator/default.asp (Australia)
Willows R I and Connell R K (Eds.) (2003)	Climate adaptation: Risk uncertainty and decision-making (UKCIP Technical Report)	Website report: Provides a step-by-step decision-making framework designed to help decision-makers manage their activities in the face of an uncertain future climate.	Online: http://www.ukcip.org.uk/risk_uncert/risk_uncert.html Email: enquiries@ukcip.org.uk (UK)



Table 9: Governance			
Author	Title	Description	Access
Commissioner of the Environment and Sustainable Development (CESD)		Website: An organisation similar to New Zealand's Parliamentary Commissioner for the Environment which oversees the Canadian federal government's efforts to protect the environment and foster (urban) sustainable development.	Online: http://www.oag-bvg.gc.ca/domino/oag-bvg.nsf/html/environment.html (Canada)
Institute on Governance		Promotes effective governance, and includes publications on a variety of subjects including accountability and performance measurement, capacity building, technology and youth.	Online: http://www.iog.ca (Canada)
The Global Development Research Center (GDRC)	Urban Governance	Website: Provides information on urban and community governance. There are links to documents, reports and special topics such as leadership and gender issues.	Website: http://www.gdrc.org/u-gov/ (USA)
United Nations Development Programme (UNDP)	The Urban Governance Initiative (TUGI)	Website: Promotes good urban governance and contains resource material on child-friendly cities, indicators and report cards.	Online: http://www.tugi.org (UN/Malaysia)
United Nations - Habitat	The Global Campaign on Urban Governance	A campaign to increase the capacity of local government and other stakeholders to practice good urban governance, developed in 1999 to support the Habitat Agenda goal of developing sustainable human settlements.	Online: http://www.unchs.org/campaigns/governance/ (UN/Kenya/Japan/Brazil)
World Health Organisation	Healthy Cities and Urban Governance	Website: Provides national and local governments with information and strategies on the health aspects of issues associated with sustainable development, care and social support, urban planning and transport. A major current project is "Healthy Cities and Networks".	Online: http://www.who.dk/healthy-cities (Denmark)



Table 10: Measuring Progress			
Author	Title	Description	Access
Cities Environment Reports on the Internet (CEROI)	Urban Environment Information Gateway	Website: Provides access to urban State of the Environment (SOE) reports globally and information on preparing SOE reports.	http://www.ceroi.net/ (Norway)
CSTB and VTT	Construction and City Related Sustainability Indicators (CRISP).	Website: Aims to develop and validate criteria and relevant, efficient indicators to measure the sustainability of construction projects particularly within the urban built environment.	Online: http://crisp.cstb.fr (France)
Environment Australia (2002)	Australia State of the Environment 2001	Website report: Provides a 5 year overview of progress concerning the pressures on, state of and responses in relation to key resources and the (urban) environment in Australia. Key areas such as human settlements, water and air are profiled.	Online: http://www.ea.gov.au/soe/2001/index.html (downloadable in pdf format as complete document or in sections) (Australia)
GPI Atlantic	Genuine Progress Indicator for Atlantic Canada	Website: Outlines work on the GPI, an index of sustainable development and well being using Nova Scotia as a pilot.	Online: http://www.gpiatlantic.org/ (Canada)
International Organisation for Standardisation (ISO)		Website: Information on standards for society as a whole. Includes information relating to monitoring and improving environmental performance such as the ISO 14000 series on environmental management systems.	Online: http://www.iso.ch/iso/en/ISOOnline.frontpage (Switzerland)
International Sustainability Indicators Network (ISIN)		Website: Examines how indicators are used to measure progress toward sustainability in communities internationally.	Online: http://www.sustainabilityindicators.org/ (Canada)
National Roundtable on the Environment and the Economy	The State of the Debate on the Environment and the Economy: Environment and Sustainable Development Indicators for Canada	Website report: A program aimed at developing a set of credible and understandable indicators (augmenting GDP and CPI) to track progress of Canada's economic activities.	Online: http://www.nrtee-trnee.ca/eng/programs/current_programs/sdindicators/ESDI-Report/ESDI-Report-E.pdf (Canada)
Redefining Progress		Website: Looks at tools such as a household ecological footprint spreadsheet and a Genuine Progress Indicator (GPI).	Online: http://www.redefiningprogress.org/ (USA)
Royal Institution of Chartered Surveyors (RICS)	Global Alliance for Building Sustainability (GABS)	Website: A partnership that has been formed to accelerate the achievement of sustainable development in the land, property, construction, facilities management, infrastructure and development sectors, worldwide.	Online: http://www.rics-foundation.org/sustainability/gabs.html and http://www.earth-summit.net/ (UK)
von Schirring Y (2002)	Health in Sustainable Development Planning: The Role of Indicators	Website report: Discusses the development and use of indicators for health and sustainable development planning.	Online: http://www.who.int/wssd/resources/indicators/en (Switzerland/WHO)

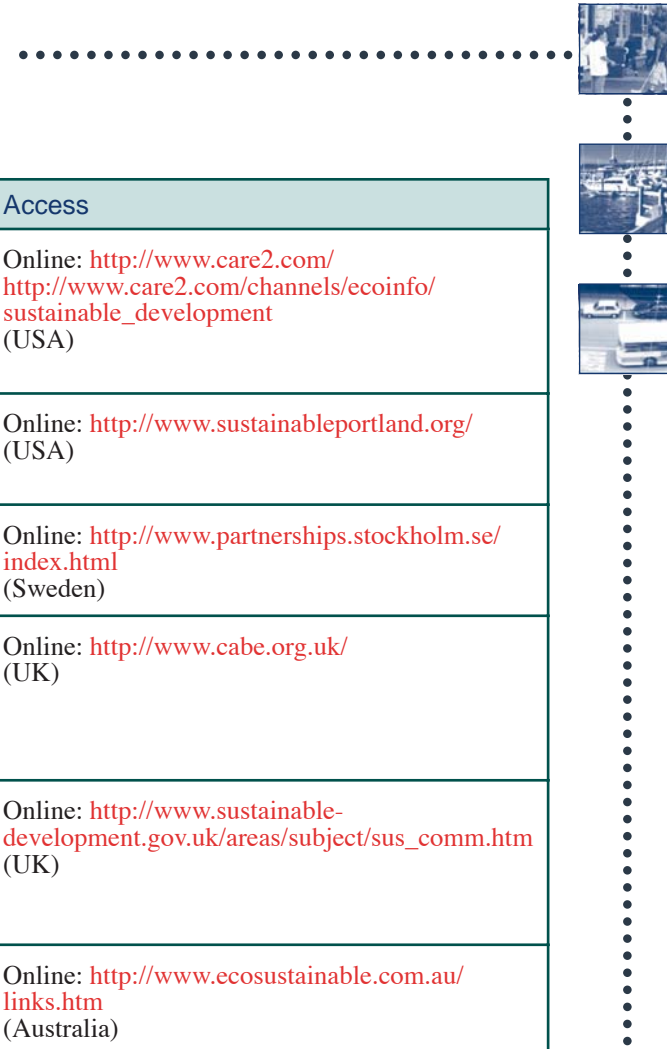


Table 11: Composite Information

Author	Title	Description	Access
Care2.com	Care 2 Make A Difference	Website: A practical and comprehensive website which provides detailed information about a range of topics with a sustainability message including day-to-day living, healthy lifestyle and sustainable building - includes some very useful links.	Online: http://www.care2.com/ http://www.care2.com/channels/ecoinfo/sustainable_development (USA)
City of Portland	Sustainable Portland	Website: Describes and provides information regarding resource and energy conservation, solid waste and recycling, a green home building scheme, and other sustainable practices.	Online: http://www.sustainableportland.org/ (USA)
City of Stockholm Economic Development Agency	The Stockholm Partnerships for Sustainable Cities	Website: Dissemination of comprehensive knowledge and information on innovative and inspiring urban sustainability projects worldwide.	Online: http://www.partnerships.stockholm.se/index.html (Sweden)
Commission for Architecture and the Built Environment (CABE)		Website: Promotes architectural design that is sustainable, responsive to context, aesthetically pleasing and an expression of functional requirements. Includes access to downloadable material on sustainable communities, urban design, space creation, better housing and tall buildings.	Online: http://www.cabe.org.uk/ (UK)
Department of Environment, Food and Rural Affairs (DEFRA) - Sustainable Development Unit	Building sustainable communities	Website: Outlines the UK government's priority areas for sustainable development which includes building sustainable communities.	Online: http://www.sustainable-development.gov.uk/areas/subject/sus_comm.htm (UK)
EcoSustainable Developments Pty Ltd	EcoSustainable Developments	Website: Facilitates and develops links, resources, directories and tools across a wide range of topics about urban sustainability.	Online: http://www.ecosustainable.com.au/links.htm (Australia)
Ecosystems and Environmental Resources Directorate, Environment Canada	Sustainable Development Information System	Website: An information database demonstrating what Canada is doing in support of sustainable development. Federal programs and products relate to an array of sustainability issues, including safeguarding public health, transportation, climate change, and sustainable production and consumption.	Online: http://www.sdinfo.gc.ca/main_e.cfm (Canada)
European Commission	BEQUEST (Building Environmental Quality Evaluation for Sustainability through Time)	Website: Practical action, research and training which identifies the basis for common understanding and implementation of integrated sustainable urban development.	Online: http://www.surveying.salford.ac.uk/bqextra/ (UK/Europe)



Author	Title	Description	Access
European Commission - Environment Directorate General (ECEDG)	Urban Environment	Website: An extensive site with an urban environment focus. Access is available to information in key urban issues areas such measuring progress (European Common Indicators project), European Sustainable Cities and environment/health.	Online: http://europa.eu.int/comm/environment/urban/home_en.htm (European Union)
European Sustainable Cities and Towns Campaign (ESCTC)	Campaign Interactive	Website: Knowledge and idea exchange forum in various urban sustainability fields and Local Agenda 21 in Europe.	Online: http://www.sustainable-cities.org/home.html (Europe)
Federation of Canadian Municipalities (FCM)	Sustainable Communities Knowledge Network : Centre for Sustainable Community Development	Website: Provides best practice information on a number of themes including sustainable communities, resource conservation, transportation and urban development.	Online: http://kn.fcm.ca/ev.php (Canada)
International Center for Sustainable Cities (ICSC)		Website: Undertakes practical demonstration projects and serves as a broker to bring together private, public and civil sectors for mutual benefit. It brings Canadian experience and technology to assist cities around the world in addressing issues of urban sustainability.	Online: http://www.icsc.ca/ (Canada)
International Council for Local Environmental Initiatives (ICLEI)		Website: An international association of internationally-spread local governments implementing sustainable development. It includes project information about to city initiatives on Agenda 21, climate change, water resources.	Online: http://www.iclei.org/ (Canada)
Robèrt K-H (2002)	The Natural Step Story	Book: Using a framework backed by the natural laws of conservation, an outline is provided for a general audience on how they can promote broader social interests. The book serves as a positive “how to manual” for productive, consensual approaches for social change.	New Society Publishers, Gabriola Island, BC For further information also visit: http://www.fenkefeng.org/essaysp21701.html (Sweden/Canada)
Rocky Mountain Institute (RMI)		Website: An extensive site established which offers resources in areas including renewable energy, buildings and land, communities, transportation and resource conservation. Practical books and other information such as a quarterly newsletter can also be ordered or downloaded from the site.	Online: http://www.rmi.org (USA)
Sheltair Group	CitiesPlus Project	Website: In addition to information on the award winning Cities Planning for Long-Term Urban Sustainability (CITIES PLUS) project, this private-public partnership has embarked on an innovative initiative which includes integrated resource management, building performance, sustainable buildings and communities.	Online: http://www.citiesplus.ca/ http://www.sheltair.com/ (Canada)

Table 11: Composite Information



Author	Title	Description	Access
Smart Growth America (SGA)		Website: Provides information on housing, urban revitalisation, transportation, social equity, open spaces, etc based on Smart Growth resources.	Online: http://www.smartgrowthamerica.com/ (USA)
The Natural Step		Website: A methodological approach which addresses environmental problems (whether urban or natural) at the source and turns them into opportunities for innovation. The sites provide many links and practical resources for addressing contemporary environmental issues.	Online: http://www.detnaturligasteget.se/ http://www.naturalstep.org/ http://www.naturalstep.ca/ (Sweden/USA/Canada)
United Nations Environment Programme (UNEP)	The Sustainable Cities Programme	Website: A joint UN-HABITAT/UNEP facility for building capacities in urban environmental planning and management.	Online: http://www.unchs.org/programmes/sustainablecities/eng_home.asp (UN/Kenya)
UNEP - Division of Technology, Industry and Economics (Japan)	International Environmental Technology Centre	Website: Provides information on Urban Activity projects which include: environmental management systems (EMS) for cities; energy for cities; sustainable building and construction; and innovative communities.	Online: http://www.unep.or.jp/ietc/Activities/Urban/ (UN/Japan)
UN-Habitat and The Together Foundation	Best Practices Database	Website: Searchable database containing over 1600 examples of urban best practice in a variety of dimensions from more than 140 developing and developed countries. Relates to common social, economic and environmental urban problems and provides contact details for projects.	Online: http://www.bestpractices.org/ (UN Kenya/USA)
United States Environmental Protection Agency (USEPA)		Website: An extensive site with several resources about urban sustainability. Key projects include: Urban Environment Initiative, ENERGY STAR, Green Communities Assistance Kit and the Transportation Air Quality Center.	Online: http://www.epa.gov/ http://www.smartgrowth.org/library/built.htm http://www.energystar.gov/ (USA)
US Department of Energy (DOE)		Website: The US DOE provides a gateway to urban sustainability topics with practical application including: green building, transportation, renewable energy and smart (growth) communities. Initiatives include Million Solar Roofs, Smart Communities Network and Rebuild America.	Online: http://www.sustainable.doe.gov/ http://www.eere.energy.gov/ http://www.millionsolarroofs.com/about_initiative/ http://www.rebuild.gov/ (USA)
Whistler Center for Sustainability	Whistler: It's Our Nature	Website: A program encouraging businesses, households and other organisations in Whistler to practice sustainability using The Natural Step Framework as their "sustainability compass".	Online: http://www.whistleritsournature.ca/ (Canada)

Table 11: Composite Information