

DESIGNING FROM CONTEXT

A place-focused, ecophilic
and integrated approach to
urbanism by design

VOLUME 1(a) The Critical Synthesis

PhD by Published Work
BRIAN MARK EVANS
2017

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ACKNOWLEDGEMENTS

If I had more time, I would have written a shorter letter. ⁽¹⁾

A critical synthesis of one's published work in 5000 words seems at first inspection to be a straightforward task. It is not. It is one of the toughest intellectual challenges and hardest pieces of writing I have ever attempted.

My thanks go, above all, to my supervisors Professor Ken Neil PhD and Professor Ali Madanipour PhD. Ken and Ali introduced me to the intellectual sport of extreme reason. Their guidance strengthened my resolve to take the time to write a shorter letter and I am indebted to them. I also thank Professor Chris Platt, Chair of Architecture and Head of the Mackintosh School of Architecture for his support, encouragement and 'blind eye' to the distracted nature of my demeanour on occasions over the past year.

I wish to thank my many clients – public and private, British and international – without whose patronage and belief I could not have assembled the empirical evidence presented here. And I thank my partners in my former firm of Gillespies who provided moral support for the research and encouragement for the pursuit of creative practice. I also thank Philip Allen for proofreading the text.

Finally, I dedicate the work to my wife Sue who challenges, inspires and supports me daily and to my goddaughter Celia and niece Frances who are the positive personification of the next generation and who, with my students, remind me of those who follow us and why, above all, we must do everything we can to make our cities work for them.

But naturally, from this page on, everything is my responsibility.

(1) Apocryphal but usually attributed to Blaise Pascal or Mark Twain.

EXPLANATORY NOTE TO THE READER

This submission comprises a number of publications supported by a body of empirical evidence. The publications and outputs have been organised and coded for ease of reference and to support the narrative as follows:

- Key published works that represent steps of synthesis in research and practice in the form of books, book chapters and refereed papers. These are termed 'principal publications', coded as PP01–PP25 and listed at Annex 01; and
- A number of 'supporting publications' that provide a published record of individual cases from empirical research coded as SP01–SP15 and listed at Annex 02.

Taken together, the publications draw on an extensive body of work assembled over a number of years. This body of work represents the empirical evidence and database upon which the principal and supporting publications are founded. A catalogue is provided at Annex 06. This catalogue includes to a wide range of outputs permitted by the Degree Regulations.

To assist the reader, right-hand pages in the critical synthesis have been reserved for the text. Left-hand pages have been used for footnotes or left blank.

The list of publications in Annexes 01 and 02 follows the order of their citation in the text in the critical synthesis (Vancouver convention). As a consequence these lists are not in chronological order. Any citation of works listed in the bibliography follows the Chicago convention i.e. (author, date).

The declaration of authorship is included at Annex 03, a bibliography at Annex 04 and a curriculum vitae at Annex 05.

This critical synthesis and the annexes together constitute Volume 1 of the submission. The principal publications constitute Volume 2 (a bound volume of journal articles and individual copies of books). The supporting publications constitute Volume 3 (a bound volume of articles and a DVD of films).

ABSTRACT

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Urbanism is the pursuit of urbanity. The work described in this submission contends that urbanity can be achieved by design through the application of three meta-principles. The fundamental aim underlying the published work concerns the (re-)introduction of design methods and practice into urbanism. A series of research questions examine methods, test these in practice, evidence trends, and document the contribution of the work. The work represents a systematic enquiry by design.

The critical synthesis is concerned with narrating an enquiry into design-based urbanism documented in a series of publications. It is a reflective review that discerns patterns and a convergence of thought and intent around the three meta-principles. The research described is longitudinal extending over a period of 25 years. It is also situational and scalar and has been undertaken in different contexts and across different scales from the singular designed artifact (a public space) through to city-regional planning.

In the 1950s, the cities of Western Europe and North America required extensive redevelopment. In general, the theories and principles of modernism were deployed to bring this about with the benefits of a systemic, readily replicable and relatively inexpensive process. By the 1960s there was disquiet that this approach led to the unacceptable loss of heritage and community.

Drawing on the extensive literature, emphasis is placed on the establishment of methods to translate the conceptual understanding of city building into practice in order to re-purpose the processes of urbanism. Eight propositions were used to inform methods for application in practice, testing in the studio and refinement in research for national agencies. The propositions are applied and tested in a range of case studies documented in the publications and considered in the light of thinking in empiricism, rationalism and pragmatism.

The publications examine casework in Glasgow, Newcastle-upon-Tyne, Sheffield and Moscow; a range of smaller towns and cities; public spaces and the creation of new urban contexts internationally. The work in practice is shadowed by pedagogic examination in the studio of the architectural academy.

Two principal conclusions are drawn: the tools and techniques have proved sufficiently robust to endure over time and in different contexts; and they have proved flexible and able to adapt as their relative importance has changed to reflect society's demands.

The design practice described in the publications has acted as the laboratory for developing and testing methods for carrying out urbanism by design. It is concluded that whereas approaches based on empirical, rational and pragmatic thought are necessary for intervention in the city, none is by itself sufficient.

The search for a comprehensive approach requires a balanced and integrated approach where the weight afforded to different methods is contingent on the circumstances and the context of their application and can be guided by a small number of overarching meta-principles providing unifying themes expressed as: (1) *Learning from place (physical, cultural and human – combining the historical evolution of place and the evolution of the culture)*; (2) *Designing with nature (ensuring the aesthetics and ecology of the ecosystem are a fundamental aspect of city design)*; and (3) *Integrating research and practice through design (recognising the pedagogic cycle of research, practice and education and unifying application through design, including the comparative value of precedent)*.

These three meta-principles provide an integrated basis for practice and help express pre-conditions for purposed intervention in the city and in the creation of new contexts.

The empirical evidence and enquiry described in the publications demonstrates the opportunity for an integrated method for studying and practicing design-based urbanism. Its implementation has demonstrated impact through: recognition in national and international awards; winning international competitions; and the adoption and dissemination of findings as policy by cities and national agencies. In turn this has guided investment in work on the ground and been used by public authorities to evaluate the design quality of proposed development.

The work has provided intellectual support for a new national academy (the Academy of Urbanism) and underpinned the policy base of the United Nations Economic Commission for Europe in its contribution to the 'New Urban Agenda'. In so doing, the work has established a number of propositions concerning urbanism in the 21st century: firstly, there is a pronounced trend to urban concentration in clusters of successful cities in the developed north, expressed as 'super-cities'; secondly that the renewed attention to ecology in response to environmental risk and climate change has brought about a new aesthetic in landscape design expressed as 'ecophilic'; and thirdly that trends in urban development can create urban entropy (e.g. urban sprawl, urban shrinking, urban concentration) or can, through intervention, create urbanity (e.g. the compact city, the resilient city).

THE CRITICAL SYNTHESIS

¹ The research referred to in this critical synthesis was undertaken in practice as a partner of Gillespies LLP, an international practice of landscape architects, urban designers and urbanists extending from 1989 until 2015. Over this period, professional practice was supplemented with a series of academic appointments that are detailed in the CV in Annex 05. An interaction between practice, research and teaching was maintained throughout the timeframe to refresh ideas, their testing and evaluation. The interaction between practice and academic work also provided the opportunity to develop a body of work in the different situational contexts discussed in his narrative including UK and European cities; small towns in the UK; public space in the UK; and, the creation of new urban contexts internationally.

² Designers engage in design from the large scale to the detailed scale; they may work at the metropolitan scale – the city-region – one day and on the design a pedestrian sign the next.

³ Techniques of design based research includes systematic and flexible methodologies intended to improve practice through iterative analysis, design, development, and implementation, based on collaboration among researchers and practitioners in real-world settings, and leading to contextually-sensitive design principles and theories. See for example <http://dbr.coe.uga.edu/explain01.htm> and <https://www.creativityandcognition.com/resources/PBR%20Guide-1.1-2006.pdf>

Introduction and Methodology

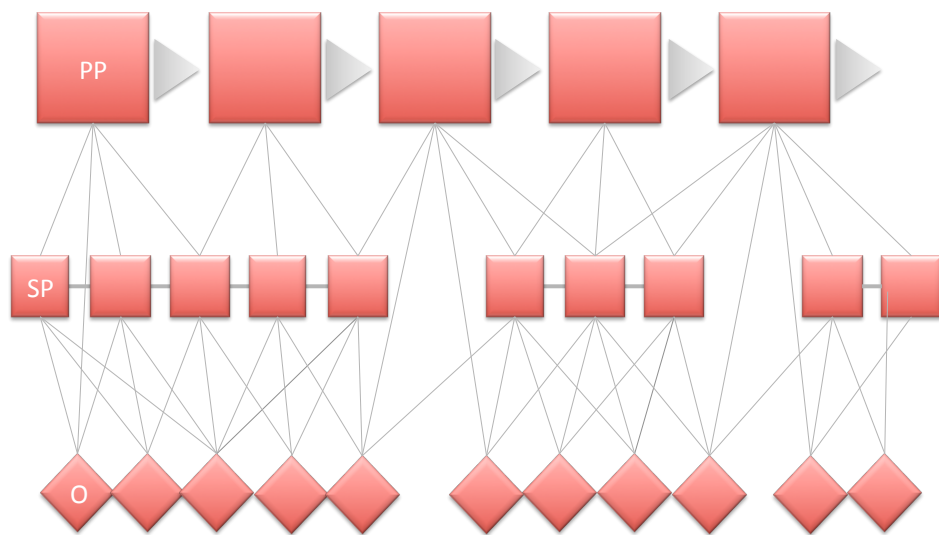
Urbanism is the pursuit of urbanity (PP01). The work described in this critical synthesis contends that urbanity at the start of the 21st century can, in large part, be pursued by design through the application of three meta-principles: (1) *learning from place*; (2) *designing with nature*; and (3) *integrating research and practice through design*. This narrative links together a number of key publications and other research outputs to this end.

The overarching aim underlying the submitted work concerns the (re-) introduction of design methods and practice into urbanism. Research questions have included: (1) Can methods be curated to achieve this? (2) What are the components of such methods? (3) Is it possible to test these in practice through research-by-design? (4) What can be learned from practical application and refinement? (5) What has been achieved by employing the methods? (6) What trends have been evidenced over the period of study? (7) What has been the contribution of the work in Scotland and internationally? These questions are graduated. The work began with questions (1) – (4) and was expanded in time to address (5) – (7). The work submitted here represents a learning journey – a systematic enquiry by design.

The research underpinning this narrative is longitudinal: the publications, research and practice extend over a period of 25 years from 1991 until the present; and it is situational and scalar: the work has been undertaken in different contexts and across different scales.¹ These situational contexts extend from the singular designed artifact (a public space) through to city-regional planning.² The work has therefore been applied and tested over time, within the contexts and across the scales at which the urbanist commonly engages.

The research method employed has been one of establishing propositions about urbanism and researching these through practice. The practice-based research is evidenced in the case studies documented in the publications. In this respect the content and method of the research follows a familiar pathway. However the work is also action oriented and documented through research-by-design.³ At regular intervals, reflective works were prepared and submitted for peer review and published in journal or book form.

The work is iterative: the sequence of developing propositions, testing these in practice followed by publication of synthesis has been completed on a number of cycles within the timeframe of the research and within the situational contexts. In this way the propositions, principles, methods and tools referred to in this text have been reviewed and updated and their



PP: Principal Publications: Books, Chapters, refereed Journals
 SP: Supplementary Publications: Articles, Papers, Conf. Proc. Research & Professional Reports
 O : Projects, Artifacts, Other writings, Awards, Films, Exhibitions

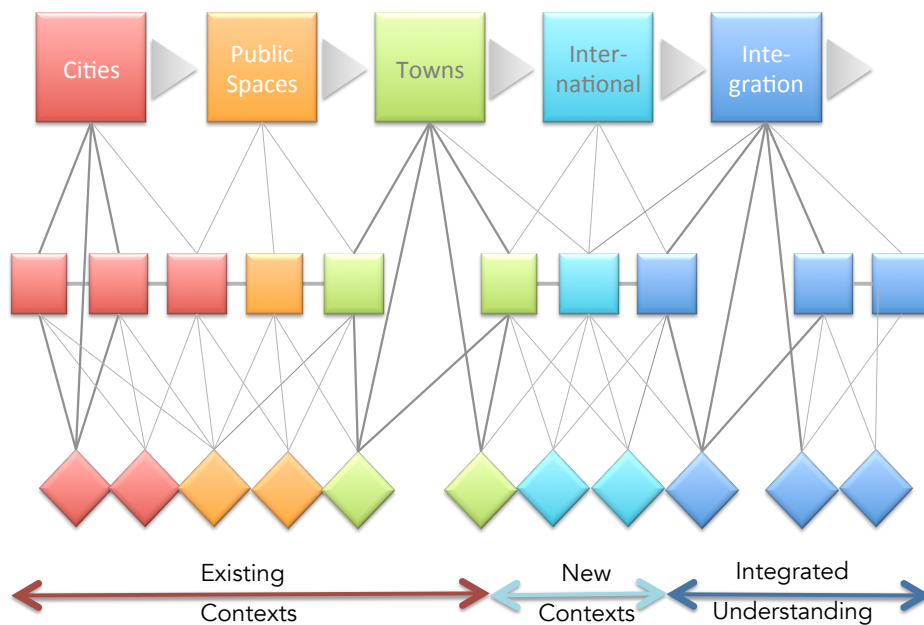


Figure 1a (above): The hierarchy of publications and outputs.

Figure 1b (below): The situational contexts for the work.

(source – author)

interrelationships have been refined through practice and reflected upon in the published work.

This narrative records the evolution of ideas, techniques and conclusions. It describes the point of departure, propositions derived from the literature, empirical evidence derived from case studies, synthesis into meta-principles, exposition in published work, lessons learned, impact from the work and key conclusions drawn.

⁴ In this period, practice in city building was developed from concepts from the leading thinkers of the Modern Movement including the architect Charles-Édouard Jeanneret (Le Corbusier) and the work of CIAM (Congrès International d'Architecture Moderne). It is widely documented in books including, for example, 'The Power Broker' (Caro, 1975).

⁵ See for example 'Landscapes of communism: A history through buildings' (Hatherley, 2015) and 'Moscow' (Schlögel, 2005).

⁶ This is extensively documented, for example, Glendinning and Muthesius, 1994.

⁷ Comprehensive redevelopment was a term widely used to describe the planning, design and architectural process whereby existing areas of city judged to be of poor quality were largely demolished in order to be replaced by new development based on modernist principles. The 'First Planning Report to the Highways and Planning Committee of the Corporation of the City of Glasgow' was submitted in 1945 by Robert Bruce, the City Engineer and prepared the way for the concept of 'Comprehensive Development Areas' for clearance of inner city areas in Glasgow (Glendinning and Muthesius, Section II, Part A).

⁸ For example 'Outrage' (Nairn, 1956).

⁹ 'The image of the city' (Kevin Lynch, 1960); 'The death and life of great American cities' (Jane Jacobs, 1961); 'Townscape' (Gordon Cullen, 1961); 'Design of Cities' (Edmund Bacon, 1967); and 'Design with Nature' (Ian McHarg, 1969).

¹⁰ For example authors such as Leon and Rob Krier, Christian Norberg-Schultz, Jan Gehl, Witold Runczynski, Michael Hough and seminal practices including Aldo Rossi, Riccardo Bofill and many others.

¹¹ Including for example Professor Sir Patrick Geddes (the valley section and thinking machines); Camillo Sitté (the Art of City Building); and Giambattista Nolli (the figure-ground plan).

Context

In the decades following World War Two, the cities of Western Europe and North America required extensive development to meet four needs: reconstruction of war-damaged cities (in Europe); reorientation of the economy to peacetime requirements; housing for returning servicemen and women; and, economic growth brought about by increasing post-war prosperity. In general, governments and industry deployed the theories and principles of modernism to bring about these changes.⁴ This practice was replicated in Eastern Europe and the Soviet Union.⁵ These methods had the benefits of a systemic approach and, as a consequence, were readily replicable, quick and relatively inexpensive when compared to traditional forms of development and construction.⁶

By the 1960s, however, there was disquiet over this approach – in particular the loss of heritage and community as traditional neighborhoods were ‘comprehensively redeveloped’.⁷ The most effective criticism came through concern about the loss of heritage and the need for conservation.⁸ This in turn stimulated research and commentary seeking to rediscover values for the city to explain the traditions that had influenced its evolution as an ideal and as a developed reality. The 1960s saw the publication of five seminal works that laid the foundation for a paradigm change in urban thought and design (Lynch, 1960; Jacobs, 1961; Cullen, 1961; Bacon, 1967; and McHarg, 1969).⁹

Lynch drew on techniques of cognitive mapping to develop techniques for explaining how people navigate the city; Jacobs concentrated on ‘liveability’ and use; Cullen on the aesthetic appreciation of place through techniques of serial vision; Bacon considered historical development from first principles to explain the evolution of cities; and McHarg brought ecology and sensitivity to the natural environment into urban thinking. Together, these works have had a lasting impact inspiring writing and practice by many.¹⁰ Each has given rise to a school of thought but none by itself is complete as an approach to urbanism by design. The ideas and techniques need to be brought together and balanced in order to establish coherent and integrated methods. This work provided the foundation for the practice described in the supporting publications and in the body of work at Annex 06. Enquiry into the search for balance and integration is evidenced in the principal publications (in particular PP03–PP05 & PP10–PP14).

The paradigm change from the 1960s, 70s and 80s provided the intellectual foundation to re-engineer urban thinking and urban design and provided the stimulus for a re-appraisal of established ideals and techniques.¹¹ These changes in thinking provided the means to mediate the worst excesses of modernism while retaining important elements such as movement and

¹² 'Traffic in Towns' is the title of a report by Sir Colin Buchanan submitted in 1963. There are interesting reflections on its impact in 'I told you so', Malcolm Buchanan's affectionate biography of his father. 'World Urbanization Prospects' [Highlights], UN, Department of Social and Economic Affairs, 2014 (<https://esa.un.org/unpd/wup/publications/files/wup2014-highlights.Pdf> - accessed 17 December 2016).

¹³ The author's working definition of urbanism as the pursuit of urbanity is developed in PP01.

¹⁴ A commitment to the proposition of the reflective practitioner as expressed by Donald Schön and to principles of design and rigour embraced in the proposition of research by design.

¹⁵ These propositions were evolved overtime from undergraduate studies in mathematics and the earth sciences and at postgraduate level in urban & regional planning and urban design and then developed further in practice. The propositions were kept under review and developed over time as literature became available and in practice through the case studies. Their summary here is retrospective.

¹⁶ Studio work at master's level has been undertaken in collaboration with Dr W A Brogden in a masters level unit 'The Office for Urban Architecture', Scott Sutherland School of Architecture, Robert Gordon University, Aberdeen 1989-1998, as Artistic Professor Urban Design and Planning, School of Architecture, Chalmers University, Gothenburg in collaboration with Assoc. Prof Lars-Erik Lilja 1998-2004, and in the Glasgow Urban Laboratory, the Mackintosh School of Architecture, the Glasgow School of Art, 2010-present.

¹⁷ See for example 'Design Thinking', (Rowe, 1998) and 'How Designers think; the design process demystified' (Lawson, 1997).

¹⁸ The introduction to 'Growing Awareness: How green consciousness can change perceptions and places' (Evans and Evans, 2016) [PP23].

¹⁹ Broadbent (1990), chapters 4, 5, 8 and 9 review the genesis of these philosophies (e.g. Locke, Hume, Descartes) and those who sought to implement their ideas (Rationalists such as Ledoux and Empiricists such as Burke, Gilpin and Repton). Broadbent invites us to consider Rossi, Bofill and the Krier brothers as neo-rationalists and Cullen and Lynch neo-empiricists with Christopher Alexander cast in part as a neo-pragmatist.

accessibility in the city begun with 'Traffic in Towns' and essential as cities increasingly become the home to the majority of the world's population (PP25).¹²

There is an extensive literature and research on this subject (Annex04 Bibliography). In this meta-thesis and the work that supports it, however, emphasis is placed on how, in addition to re-examining city building conceptually, it is possible to establish tools and methods whereby this understanding may be translated into practice to re-purpose the processes of urbanism.¹³ The evidence developed and the published work described is concerned with reflective and considered intent – to move beyond understanding to 'making' in order to enhance the quality of place and the quality of life.¹⁴ This critical synthesis acknowledges the legacy of theory but concentrates on principles and methods to plan, design and make the city – whether by design tool, communication technique or planning process (PP04–PP06 & PP10).

A number of propositions were derived from the literature referred to above and in the bibliography: (1) *The historical record – evolution of pattern and culture*; (2) *Structure, density and use*; (3) *Composition and communication of aesthetics of place and form*; (4) *Experiencing the city – navigation and legibility*; (5) *Sensitivity of the natural environment – climate and ecology*; (6) *Movement and accessibility*; (7) *The democracy of design or 'universal design'*; and, (8) *Working with people, for people*.¹⁵

These propositions were used to inform methods for application and were brought to their current form through development in practice, testing in the studio and refinement in research for national agencies.¹⁶

The process of (city) design lies at the heart of the work submitted and has been the underlying driver for the practice described, the methods developed and the publications produced.¹⁷ In 'Reasoning the Landscape' (PP23), it is argued that whereas everyone thinks about what they are doing, those who 'write', those who 'make' and those who 'do', reason differently.¹⁸ In this context therefore, urbanity (PP01) is about 'making' and shaping the eight propositions into actionable techniques. In 'Emerging concepts of urban space design', Broadbent (1990) provided an insight into resolving the intent behind the various propositions by reflecting on empiricism (trust in human senses), rationalism (working from first principles) and pragmatism (methods known to work in practice).¹⁹ Broadbent therefore provided an intellectual direction for reconciling the intent behind the thinking of Jacobs, Lynch et al to provide a starting point for city design in practice. The eight propositions and the reconciliation of the thought processes behind them therefore represented the starting point for the empirical evidence from

²⁰ Lawson, 1997 & Rowe, 1998 Op cit.

case studies using methods identified in design literature including 'protocols', 'generators' and 'problem-solving'.²⁰

The eight propositions therefore provide a thematic direction for practice as a means to reconcile human experience, and explore first principles and workable solutions evidenced in the published work.

²¹ See for example Fung, 2010 & 2011 and OECD, 2003.

²² See 'The Potential of Glasgow City Centre', McKinsey & Co., 1984.

²³ A programme high-quality public space projects followed with work implemented by the author's practice (Gillespies) in Candleriggs, Royal Exchange Square and Buchanan Street, Glasgow between 1995 and 2001.

²⁴ Awards included the Royal Town Planning Silver Jubilee Cup, the UK's premier Planning Award (1996) as well as the President's Award for the best landscape project in the UK, Landscape Institute (2003) and Annex 06.

Building the evidence base – Design-based research through practice

From the early opportunities presented in practice (SP01–SP04), the intent was clear and has remained consistent throughout the body of work described here: whatever the governmental manifesto of the day and the policy base established to implement it, *interventions in the city require to be designed*. To put this into effect requires a rationale, an argument and method of design and communication.

The case studies discussed in the supporting publications are reviewed below in their situational contexts for two reasons: firstly this follows broadly the chronology of the work that arose from opportunities presented by practice; and, secondly, it enables the propositions to be tested over different scales.

UK Cities: Three examples have been selected from UK cities – Glasgow, Newcastle-upon-Tyne and Sheffield. In each case the focus of attention was the city centre. From the mid-1980s until the turn of the century, Glasgow played a leading role in the development of regeneration practice in the UK with notable achievements in social housing and an emerging ability to deliver major events.²¹ The challenge in the design work was to respond to the hollowing out of the city centre that had occurred during the 1960s, 70s and 80s. The response sought to build on the heritage-led regeneration that had already taken hold in the city and respond to the initiatives of the city authorities to address the twin imperatives of economic recovery and the radical improvement of the physical environment.²²

The team included the late Gordon Cullen and sought to work with the eight propositions to develop an understanding of place and a justification for investment in the physical environment. Techniques included figure-ground mapping, cognitive mapping (Lynch *et al*), and analysis derived from the insights of Jacobs as well as the serial vision of Cullen himself. The strategy was well received and used to inform the development of the Central Area Local Plan and the funding priorities of the Scottish Development Agency (SP01, SP02).²³ Urban design techniques based on the propositions were used to illustrate and build the investment case. This work was widely recognised as groundbreaking and became the recipient of a number of national and international awards (Annex 06).²⁴

Similar challenges were addressed in Grainger Town, Newcastle-upon-Tyne with design methods again utilised to address policy and investment challenges to effect physical improvement. The work described in the publications (PP02, SP03) was a key component of the strategy adopted by the Board of the Grainger Town Partnership and Newcastle City and later

²⁵ In 2004, the Glasgow and Newcastle work received a charter award from the Congress of New Urbanism in the USA for excellence in the public realm of two historic city centres.

²⁶ The method was evolved and applied in many other contexts including the Aberdeen Urban Realm Strategy, the Birmingham Western Growth Corridor Strategy, Bath City Centre public realm strategy and Tampere City Centre culminating with a public realm strategy for Moscow City Centre in 2013 (Annex 06).

²⁷ Geddes' view of evolutionary development described in three stages as 'eotechnic', 'paleotechnic' and 'neotechnic' with the latter predicting the transition to what would today be described as green or low-carbon technologies with the emergence of ecological conservation as an essential imperative (PP03).

²⁸ PP03 pp494–495.

²⁹ Publications PP18 and PP19 continue to explore, develop and validate the Creative City and the Liveable City research themes.

recognised with national and international awards.²⁵ The Glasgow and Newcastle case studies are described in PP02. The third example concerns a strategy for Sheffield City Centre adopted by the city in 2004 and used continuously as a policy instrument until the present that again has employed similar applications of the eight design propositions and the techniques they embody (SP05).

These three examples demonstrate the initial testing and refinement of the propositions and the techniques developed to implement these in practice. The enduring validity of these propositions and techniques is demonstrated by the longitudinal period over which the work was undertaken and the recognition and citation in national and international awards.²⁶ The method was employed in numerous studies and later in Moscow in 2012-2014 with similar effect (SP06, SP07 & SP10–SP13).

This first body of practice provided the basis and the opportunity to take the first steps in synthesis of what had been learned in the pursuit of the first four research questions outlined at the beginning. The first thematic exploration, 'Dear Green Place: a question of equilibrium' (PP03), is an essay published in the catalogue for the 18th International Triennale of Milan in 1992 as the principal text supporting the UK pavilion and exhibition. The essay addresses the relationship of people and their urban environment within the context of the thinking and teaching of Professor Sir Patrick Geddes and suggests that he foresaw the preoccupations of the industrial and post-industrial ages.²⁷ The essay then examines the realities of Geddes' propositions through the efforts of the City of Glasgow (the 'Dear Green Place' of the title) in its search for a sustainable future through a number of key themes including: 'living in the city', 'greening the city' and 'fabric of the city', which are set within the overarching drivers of 'heritage' – in the sense of cultural as well as built – and 'context' – the post-war history of the city.

The conclusions (PP03) entitled 'towards equilibrium and balance' introduce the concept of urban decay (also expressed as urban entropy in PP01) and suggest that striking a balance between the forces of development and decay through processes of integrated thought is a necessary pre-condition for establishing a state of dynamic or sustainable equilibrium in a city. The essay advances a series of proto-principles to achieve a city that is international, productive, creative, communicative, liveable and 'good' and foresaw, although as yet implicitly, the paradigm shift from the 'industrial city' to the 'knowledge city' which is addressed in later publications in PP18/PP19 and in the UN publications (PP24/PP25).^{28 29}

Further publications continued the examination of Glasgow as a laboratory of practice in urbanism in more depth and in a wider context. In 'Reading the City' (PP04), Glasgow was examined in the context of place and the

³⁰ Such as 'why some cities have clear and accessible form and others are confused and perplexing?' and 'how sophisticated and expensive applications of modern technology to orientation and information provision can sometimes be immediately understandable or alternatively indecipherable?', PP04, page 473.

³¹ PP04, page 488. See also Amoroso 2010, Chapter 2.

³² In the case of Scunthorpe, the work was part of the Yorkshire Forward International Urban Renaissance Panel that rolled plans for small cities across the region for the then Regional Development Agency (Yorkshire Forward – refer to PP05).

³³ The work was published by the Scottish Government and its predecessors in a series of Planning Advice Notes (PANs).

³⁴ A charrette is an intensive consultative design process where the public, designers and stakeholders collaborate on a vision for the assets of a town or the design of a development. It provides a forum for ideas, the involvement of the citizen in the design process and offers the opportunity to provide immediate two-way feedback between the designers and the public.

'genius loci'. The essay set out to provide a working definition of these terms and to position the Glasgow work within the theoretical context established in the first part of this text – specifically the work of Lynch, Geddes and Norberg-Schultz – in helping to derive the methodological propositions expressed in this narrative. In this way, the essay sought to establish an explicit understanding between propositions and methods by reference to the Glasgow examples and began to consider the later research questions (5–7).³⁰ The essay proposes that the significance of place is ancient and transcendental and that a balance needs to be struck between the cultural and existential analysis of place and the physical and functional (technological) analysis and concludes that cognitive mapping remains valid for contemporary practice in urbanism in order to enhance understanding of the structure and form of the city and assist in the preparation of strategies for the design of public space.³¹

Small and medium-sized towns: Over a period of years from 1995 until the present, a series of strategies have been prepared for the future of small and medium sized towns in Scotland, elsewhere in the UK and more recently in Scandinavia using techniques based on the propositions described earlier (PP08–PP10). Small to medium sized towns and cities have provided the opportunity to investigate and validate above propositions and design methods at a smaller scale. An example of this scale of work is described in PP05 in respect of the Lincolnshire town of Scunthorpe.³²

This work in practice in small towns formed the basis of research undertaken for the Scottish Government dealing with expansion of towns and the regeneration of entire towns. This research was brought together and disseminated to the planning and development community in Scotland in publications issued by the Scottish Government.³³ The published work based on this research explores in more detail the principles and methods through which places are designed. In the case of PP06, the challenges of masterplanning are reviewed and in PP07 the masterplanning of town extensions is described. PP08 describes the research and stresses the importance of process and illustration in design based methodologies. PP09/PP10 review the situational context of small towns in Scotland and Sweden and consider scale as a factor in urbanism. PP10 also noted the increasing importance of involving the public in managed and 'hands-on' consultation exercises (charrettes).³⁴

Publications PP06–PP08 are derived from case studies described variously in SP01–SP05 and PP05 and describe the methods evolved in response to research questions (1) – (4) in respect of masterplanning, settlement extension and the 'whole' place.

³⁵ In the sense that a public space made safe for the vulnerable – elderly, women, and children – is made safe for everyone. Similarly, if legible to the partially sighted, it is legible to all since its design and construction understands people's use of their senses to navigate space.

³⁶ Today this approach is commonly described as 'universal design' although the work described here antecedes common use of the term. The term 'Universal Design' can lead to ambiguity as it can be responsible for what has been referred to as 'vanilla' design – that in order to work for everyone all interest, character and 'visual flavour' is sacrificed to avoid any risk leading to a bland 'lowest common denominator' approach rather than one which seeks to bring about a higher order of composition to achieve a 'highest common factor' between all the user groups.

³⁷ Based on the research reports 'Comparative Study of Streetscape Works', Scottish Enterprise, 1995; Streetscape - A Best Practice Guide, Scottish Enterprise, 1994 (Annex 06).

³⁸ 'Designing Places: A policy statement for Scotland', Scottish Executive, 2001.

³⁹ The competition and the jury's findings are described in PP13.

⁴⁰ Central Scotland lacks a universally accepted nickname but has been variously described as ClydeForth (by Geddes) and GlasBurgh (in common parlance), the exuberant 'Oceanspan' and the more prosaic 'Midland Valley of Scotland'. Clydeforth is described in Glendinning and Page, 1993, and 'Oceanspan' is referred to in Evans and Evans, 2016.

⁴¹ Frank Arneil Walker, 'Identity at the edge' in Evans, Macdonald and Rudlin, 2011.

Public Space: The method evolved for design strategies, frameworks and masterplans has been carried through to implementation of designs for public spaces on the ground. In this way, the designs for public space are considered a logical corollary of design strategies and frameworks following in a process from initial proposition through development of strategy to design ending in construction. In this way, the resultant public space may be considered to exhibit the intent of the propositions and the methods developed from them particularly consideration of historical development, sensitivity to context and the natural environment, and legibility and orientation by design. Public space designed with this intent through a series of checks and balances creates a 'whole space' that is intrinsically 'democratic'.^{35 36} Design of the public space evidenced at PP11 sought to demonstrate and resolve research questions explicitly in the process of preparing a design in order to balance the intent of the propositions, the needs of users and requirements of stakeholders.

Scottish Enterprise commissioned research to document the best practice evidenced by these methods and commissioned 'Streets Ahead' to disseminate the research through guidance for those retained to design and deliver projects with public investment (PP12).³⁷ The approach described in this text, from strategy through framework to design on the ground, was also included in national guidance issued by the Scottish Government in 'Designing Places' in 2001 as the document to be used *primus inter pares* in designing for place.³⁸

Wider horizons: The opportunity to explore the wider context and regional scale came with the invitation to act as a judge on the international competition for the Randstad in the Netherlands.³⁹ The essay 'City with a Green Heart: lessons from Randstad Holland' (PP13) documented the competition as an example of research-by-design that in turn afforded the opportunity to examine the issues influencing polycentric regions by comparing and contrasting Central Scotland with the Randstad-Groene Hart region in the Netherlands.⁴⁰

The essay considers identity in the peri-urban interface of city and landscape and the means to strike an equitable balance between urban and rural, development pressures and limited natural resources. Three issues were identified: identity, urban edge and urban sprawl. The essay evoked Frank Walker's proposition that identity is forged in the relationship of 'zeitgeist' and the 'genius loci' (reprinted in PP21) and stressed the importance of regional planning and the opportunity to create a Central Scotland Plan that might depart from mono-centric, mono-sectoral processes of planning and the iniquities of short termism.⁴¹ It called for a long-term holistic vision as a route to a sustainable future and the achievement of a shared balance between city and landscape with equity among those who inhabit the city

⁴² The author was part of the core team of practices that worked under the consortium name of the 'Capital Cities Planning Group' that won the competition.

⁴³ This thematic consideration of the city was returned to the book 'Making Cities Work' that developed the themes 'arriving in the city'; 'enjoying the city' and 'getting around the city'. 'Making Cities Work' was authored by George Hazel a transportation planner and Roger Parry a graphic designer (Hazel & Parry 2004). The author was retained as urban design adviser to shape the themes, order the content and identify the case studies described in the book but did not act as author and the work is not submitted as part of the canon of publications.

including dwellers on the periphery. The essay concluded that: (i) comparison and contrast between cities, regions and cultures is a valuable process in urbanism and informative for design; (ii) there is a need to consider design at a scale greater than the city itself; and (iii) it is vital to consider green space as an essential part of the process of urbanism – in effect concluding that *learning from place, designing with nature* and *integrating thought* are central to the consideration of the city-region.

International projects – designing a new context: The final examples from practice comprise a series of international case studies that bring together the insights and understanding developed in earlier work. Over a period of ten years, a range of urban design, landscape design and urbanism projects were undertaken in Scandinavia, the Russian Federation, the United Arab Emirates and the Peoples Republic of China (Annex 06). The documentation for several of these cases has included film and examples have been included in the submission (SP10–SP15). Film is a valuable medium to evidence the holistic application of propositions and techniques and to document the process explicitly for dissemination and for open access to practice-based research.

In the example documented at SP06 and SP10, the former President of the Russian Federation (Dimitri Medvedev) and the Mayor of Moscow (Sergei Sobyenin) elected to stage an international competition for the expansion of Moscow. This proved to be a remarkable example of research-by-design where ten international teams worked in a competitive and collegiate manner over a six-month period to deliver a regional plan, a metropolitan plan and the design for a new federal centre. The process of the competition is described in SP06.⁴²

The theme of urban edge explored in Scotland and the Netherlands in PP13 was revisited in 2013 in collaboration with Strelka of Moscow in research for the International Moscow Urban Forum (PP14 Archaeology of the Periphery). This comprehensive research developed the concept of a 'Superpark' to explore an integrated and holistic vision for the periphery of Moscow reflecting concepts from PP03 and PP13.⁴³

The tension between places for people in the industrial age and its legacy of impact on place and identity is a consistent theme of the published work. If some consensus and stability was reached on the cusp of the 21st century, the full extent of the digital age has exposed challenges as the century begins to mature. The 'smart city' exposes tensions between place and people and systems and globalisation that threatens to be as great as that between people and industrial processes. The publications 'Binary Winds' (PP15) and 'The Congruence of Place' (PP16) explore these challenges concluding that every technological 'revolution' brings its own set of

⁴⁴ This conflict between a people-centred and systems approach to planning is the subject of a European COST Action TU-1204 (People friendly cities in a data-rich world). The author is a member of the executive management committee.

⁴⁵ Today, a considerable amount of designed urbanism is procured and delivered through the mechanism of a design charrette – a concentrated consultative design exercise. See Wates 1996, 2000 and 2008 and Urban Design Associates 2003, 2004.

challenges for the relationship between people and place.⁴⁴ In 'A city of continuing traditions' (PP17) it is argued that the findings described in the PP03 and PP04 remain a valid basis for addressing the challenges of the 'smart city' and 'big-data'.

Studio testing: In parallel with work in practice described in SP01–SP07 and SP10–SP15, the propositions and techniques were investigated in the pedagogy of the studio at masters level: in the Office of Urban Architecture at the Scott Sutherland School of Architecture at Robert Gordon University from 1989–2004 (PP06), at the School of Architecture, Chalmers University, Gothenburg, Sweden (SP08) and in the Glasgow Urban Laboratory in the Mackintosh School of Architecture, The Glasgow School of Art (PP18/PP19).

The body of work described in the principal and supporting publications (PP01–PP14 and SP01–SP15) evidences the investigation of the eight propositions in practice and supports a number of conclusions: the tools and techniques originally identified have proved sufficiently robust to endure over time and in differing contexts and they have proved flexible and able to adapt as their relative importance has changed to reflect society's demands. For example, it has remained valid to employ the techniques of cognitive mapping. However, the emerging importance of design methodologies for engaging the citizen and user groups has become more and more important over time.⁴⁵ Similarly, basic propositions around the natural environment have been and remain critically important. Indeed their relative importance has increased over time with the emerging significance of climate change and the impact this has on cities and their resilience to cope with these challenges.

The practice described in the supporting publications and cataloged at Annex 06 has been the laboratory for developing and testing methods for carrying out urbanism by design and the steps of synthesis this requires. From a starting point of the paradigm shift presented by emerging thinking in the 1960s and synthesis overtime, it may be concluded that whereas approaches based on empirical, rational and pragmatic thought are necessary for intervention in the city, none is by itself sufficient. The search for a comprehensive approach requires balance and integration where the weight afforded to different methods is contingent on the circumstances and the context. The empirical evidence documented in the publications has demonstrated that integrating thought and practice into a small number of overarching meta-principles provides unifying themes that can be expressed as:

- *Learning from place* – physical, cultural and human: combining the historical evolution of a place and the evolution of the culture;

⁴⁶ By its nature and scope, urbanism is collaborative. As an activity it touches on city planning, architecture, urban design, landscape architecture, sociology, economy, geography and anthropology. Today, most dedicated thinkers and practitioners share common cause and achieve this spread of intellectual endeavour through collaboration with other like-minded professionals. In this the author is no different. My contribution has focused on the design imperative in urbanism and on the narrative to understand, derive and apply these three meta-principles.

- *Designing with nature* – ensuring the aesthetics and ecology of the ecosystem are a fundamental aspect of city design;
- *Integrating research and practice through design* – recognising the pedagogic cycle of research, practice and education and unifying application through design, including the comparative value of precedent.

These three meta-principles provide an integrated basis for practice and help express pre-conditions for purposed intervention in the city and in the creation of new contexts.⁴⁶

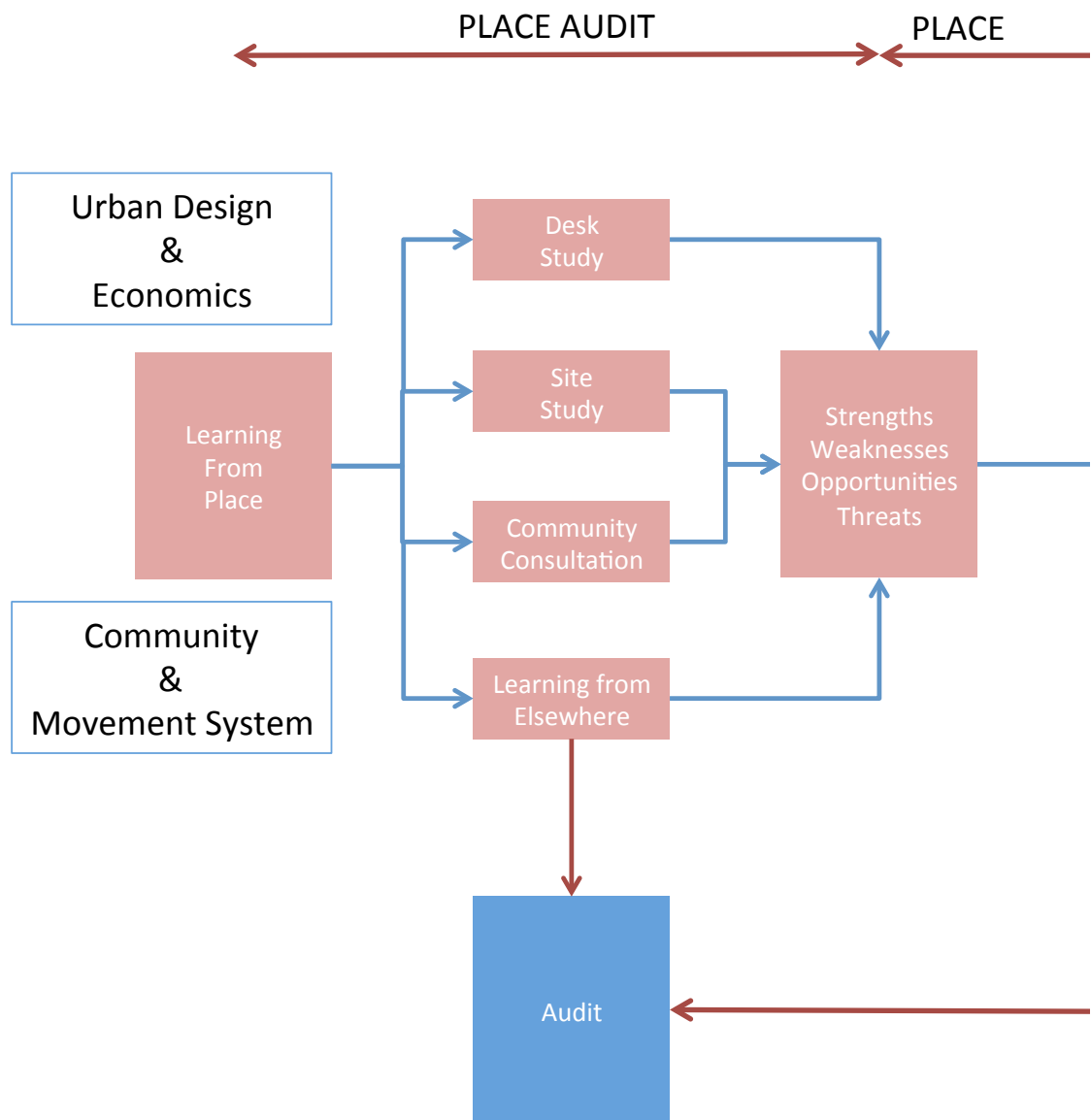
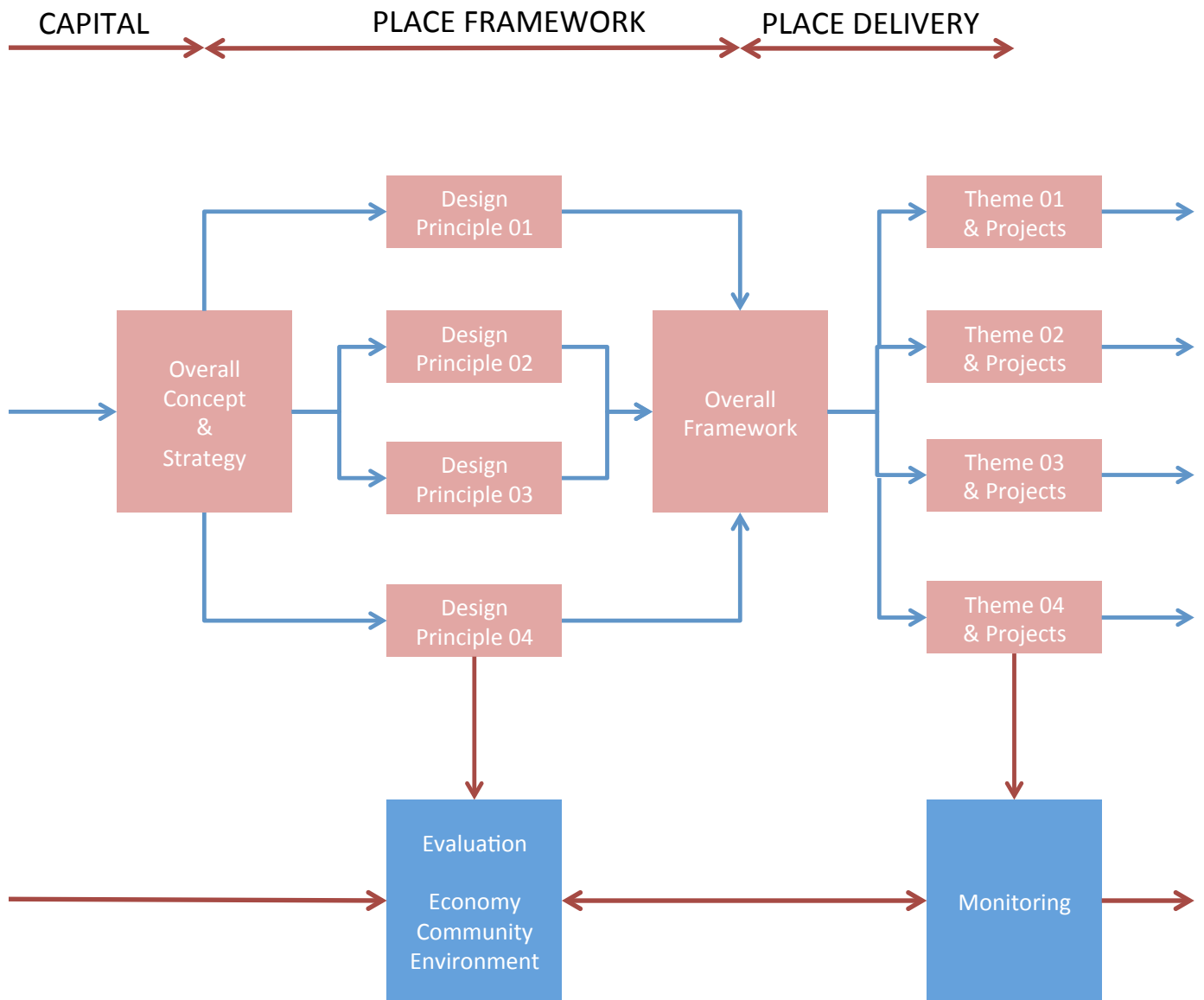


Figure 2:
The methodology from PP08 reconfigured as an enquiry
into 'learning from place'.

(source – author)



⁴⁷ The publications dealing with: the assembly of empirical evidence (SP01-SP15); methodologies and masterplanning (PP06–PP08); public space (PP02, PP11/PP12); and, the consideration of key issues and themes in urbanism (PP03/PP04 and PP11–PP17).

⁴⁸ In a retrospective review, it is possible to discern patterns and convergence of thought and intent around the three meta-principles brought about by self-directed enquiry, documentation and testing.

⁴⁹ The Academy of Urbanism – a new national academy for the UK and Ireland devoted to the study and understanding of urbanism. The author worked as part of a small team together with the founding Chairman, John Thompson, and Kevin Murray, past-president of the Royal Town Planning Institute to establish this classification and the criteria used to investigate it.

Giving purpose to the meta-principles: Reflections, trends and propositions

A number of the publications have now been discussed.⁴⁷ This penultimate section of the narrative considers the publications (PP20-PP25) that are more intentional and propositional in nature and have reflected on the later research questions (5–7).⁴⁸

This recent published work brings together a more comprehensive exposition of the meta-principles in three parts: in the establishment of the Academy of Urbanism, a new national academy (PP20–PP22); in the book 'Growing Awareness' (PP23); and in research for the United Nations, documenting trends in urbanism in the northern hemisphere (PP24/PP25).

The situational classification of the urban context has been essential to building the evidence base presented here. It provided the typological and intellectual basis for the Academy of Urbanism to consider urbanism in context through cities, towns, neighbourhoods, streets and places, together with the criteria by which these are evaluated.⁴⁹ The principle of learning from people and places together with learning from diverse precedents has been essential to reaching a view about the urbanity of a place that is embedded in the Academy's manifesto. The typology and the criteria provide an underlying rigour evidenced in the authorship and editorial of the first two of the Academy's anthologies published by Routledge as 'Space! Place! Life!' and 'Urban Identity', both subtitled 'learning from place'. (PP20/PP21). The thematic consideration of the city was also brought to the English-language version of the Academy's collaboration with the City of Freiburg published as the 'Freiburg Charter for Sustainable Urbanism' (PP22). These three publications represent the intellectual underpinning of the principal output of the Academy during its first five years and continue to support its work, activities and publications today.

This intentional and propositional thinking has been further advanced in 'Growing Awareness: how green consciousness can change places and perceptions', a paean to 'designing with nature' that brings together global thinkers and practitioners and contends that 'designing with nature' and its integration into mainstream thinking is essential to urbanism. This book revisits and expands on the ideas initially examined in PP13 concerning the interaction of urban edge and urban sprawl with ecosystems. The book concludes with ten summary principles in the chapter 'Towards a new paradigm in landscape and environment' and draws the specific conclusion that the changing narrative of the last 20 years has created a new paradigm in the aesthetics of landscape design expressed as the 'ecophilic' that adds to and complements the established aesthetics of landscape expressed in the 'sublime' and the 'picturesque'.

⁵⁰ The United Nations Economic Commission for Europe based in Geneva is one of five Regional Commissions of the UN with 56 member states that vary in scale from three continental countries of Canada, the USA and Russia to the micro-states of Andorra, San Marino and Monaco. The Region covers the globe from Vancouver to Vladivostok and includes North America, Europe (EU&EFTA), Russia and the former CIS countries, the Balkan states, Turkey and Israel.

⁵¹ PP22 – Executive Summary, pp10–14 and key diagrams, Annex 01 Emerging Trends, pp.112–123.

The final publications describe the consideration of cities for UN-Habitat (PP24/PP25).⁵⁰ The UN-Habitat report of research in the UNECE region (PP25) documents the transition from the 'industrial city' to the 'knowledge city' and identifies the importance of place in this paradigm shift. The report repurposes subtly some established UN shibboleths wherein the commodity of 'housing' is re-presented as 'living in cities'; the title 'economy of cities' is in deliberate deference to Jane Jacobs and 'environment' is subtitled with 'risk' to underline the importance of ecology to the resilience of the human habitat.

Urban sprawl and urban entropy figure prominently and the work substantiates the trend towards urban concentration in the global north also evidenced by others (e.g. Florida, 2010). The UN report reflects on the role of place and space in the 'knowledge city' introduced earlier (PP03, PP13 & PP14) and stresses the risk of urban sprawl and ecosystem fragmentation described in 'Growing Awareness' (PP23). In PP25, a distinction is drawn between mega-cities (essentially mono-centric and southern and eastern in the world context) and the patterns of urbanisation in the developed north. 'Super-cities' are defined as agglomerative economic regions formed of competitive and concentrated city clusters in North America and in Europe.

The key findings are expressed in the executive summary and accompanied by a series of diagrams proposing that trends in urban development can be expressed as cycles that can be destructive (urban sprawl, urban shrinking, urban concentration) or can, through intervention, be constructive (the compact city, the resilient city).⁵¹

⁵² In the catalogue of work at Annex 06, there is record under Section 4 of the conferences, papers and workshops where the author has presented for scrutiny the content of the publications described as part of this submission.

Summative conclusions:

This critical synthesis is concerned with narrating an enquiry into design-based urbanism documented in a series of principal and supporting publications. It is a reflective review of a body of work assembled over two decades that sets out a coherent narrative of a body of work. It discerns patterns and a convergence of thought and intent around the three meta-principles brought about by self-directed enquiry, documentation and testing.

From the outset of the enquiry described herein, it was judged inadequate to implicitly accept and apply techniques in practice. Rather it is considered essential to understand the intellectual basis of practice that may be considered as urbanism by design, to understand the linkages between the spectrums of thought and to formulate, test and validate techniques in a systematic process of design-based practice and research.

A series of propositions were derived from the literature and used as a prospectus to unify the application of techniques to address the initial research questions (1 to 4) and thereafter to effect by intent positive change in the quality of places and the quality of life of citizens. The empirical evidence from a body of practice-based research is documented in the supporting publications (SP01–SP15). Principal publications (PP02–PP17) investigate and evidence this enquiry reaching its fruition as expressed in three meta-principles: (1) learning from place; (2) designing with nature; and (3) integrating research and practice through design.⁵²

The final series of principal publications (PP18–PP25) address research questions 5 to 7 and represent the published basis of the intellectual enquiry based on shaping and formulating these meta-principles, drawing conclusions and inferring propositions based on this enquiry.

Finally, in terms of contribution to knowledge and to impact, two overarching conclusions may be drawn.

(1) The body of work represented in the empirical evidence described in supporting publications and the first set of the principal publications (to PP17) has demonstrated the opportunity for employing integrated methods for studying and practising design-based urbanism. This work has demonstrated impact through: recognition in national and international awards; winning international competitions; and the adoption and dissemination of findings as policy by cities and national agencies. In turn, this has guided investment for implementation of work on the ground (e.g. St Andrew Square, Edinburgh PP11) and been used by public authorities to

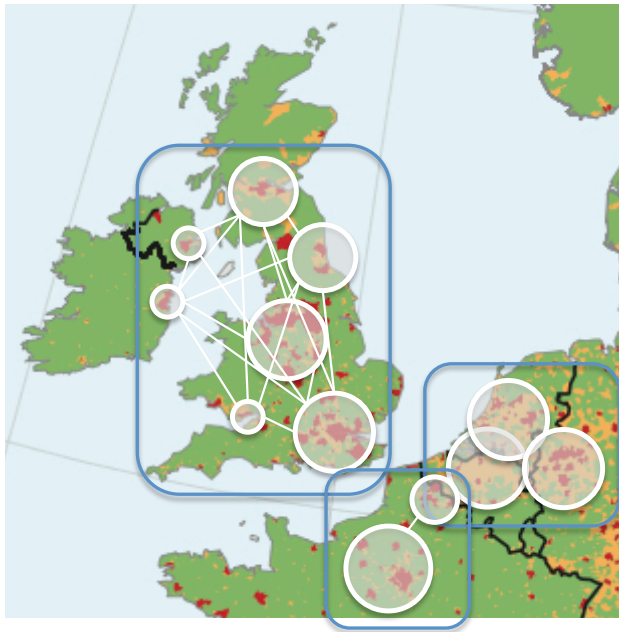
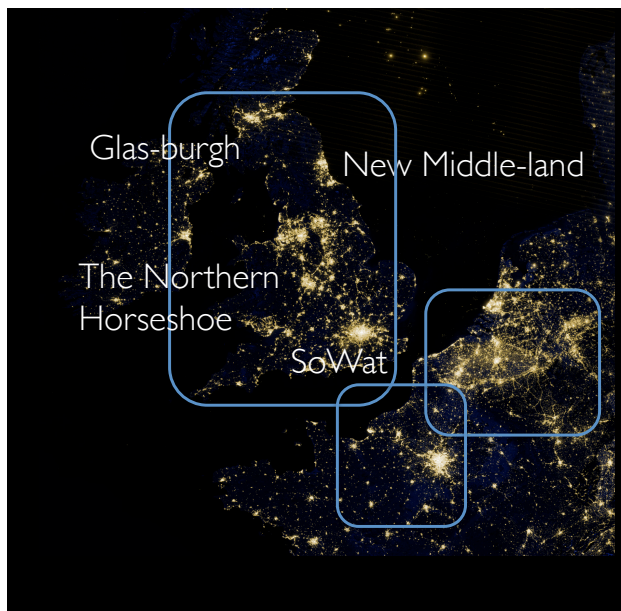


Figure 3:
The UK illustrated as a 'super-city' of around 60mio
population as expressed in PP25.

(source – author)

evaluate the design quality of proposed development (Sheffield Urban Design Compendium SP05).

(2) The body of work in the later publications (PP18–PP25) has provided the intellectual support for a new national academy – the Academy of Urbanism – predicated on ‘learning from place’ and has underpinned the policy base of the United Nations Economic Commission for Europe in its contribution to the UN-Habitat ‘New Urban Agenda’. In so doing, the work has established a number of propositions concerning urbanism in the 21st century: firstly, there is a pronounced trend to urban concentration in clusters of successful cities in the developed north, expressed as ‘super-cities’; secondly the renewed interest in ecology through enhanced awareness of environmental risk and climate change has brought about a new aesthetic paradigm in landscape design expressed here as ‘ecophilic’; and thirdly that trends in urban development can create urban entropy (e.g. urban sprawl, urban shrinking, urban concentration) or can, through intervention, create urbanity (e.g. the compact city, the resilient city).

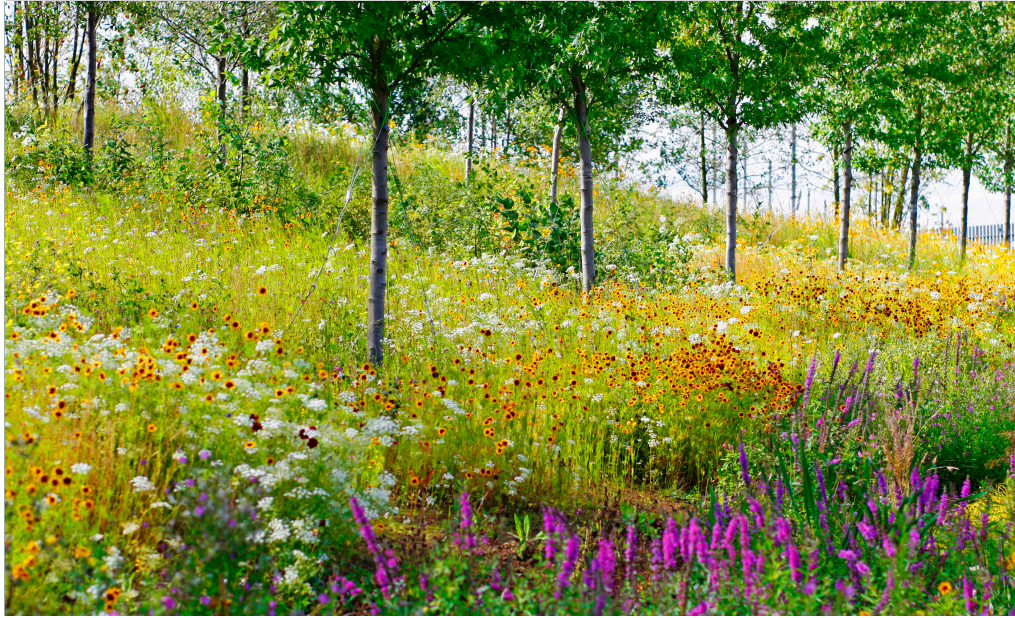


Figure 4:
An example of ecophilic landscape design.
Queen Elizabeth Olympic Park, London.

(source – LDA Design, London)

Annex 01

LIST OF PRINCIPAL PUBLICATIONS

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- PP01 Evans, Brian, **Urbanism is the path to urbanity**, in *Here & Now*, Journal of the Academy of Urbanism, No.5 Spring 2015
- PP02 Evans, Brian, **Urban Design Strategies for the Public Realm: Lessons from Glasgow & Newcastle**, *Urban Design Strategies in Practice*, Biddulph, M & Punter, J, Built Environment theme issue, Volume 25, Number 4, 1999
- PP03 Evans, Brian, **Dear Green Place: A Question of Equilibrium**, in *La vita tra cose e natura : il progetto e la sfida ambientale (Life between artifact and nature: Design and the environmental challenge)*, the 18th Triennale di Milano, 501pp Electa, Milan, 1992, also appearing in abridged form in the *Edinburgh Review*, Issue 88, Summer 1992
- PP04 Evans, Brian, **Reading the City - Approach & Orientation**, in Fladmark, J.M. (editor), *In Search of Heritage as Pilgrim or Tourist*, Donhead, London 1998
- PP05 Alan Simpson, Mandy Sutter, Adriaan Geuze, Brian Evans, et al (editors), **Scunthorpe, Renaissance Towns, Visions, Actions, Realities**, Yorkshire Forward, 2005
- PP06 Evans, Brian, **Respecting the Town**, in Brogden, W.A. (editor), *The Neoclassical Town: Scottish Contributions to Urban Design since 1750*, the Rutland Press, Edinburgh, 1996
- PP07 Gillespies (Brian Evans principal author & editor), **Fitting New Housing Development into the Landscape**, Design Manual for Planning Advice Note PAN 44, Scottish Office, 1994
- PP08 Brian Evans, **Millennial Burghs: Scotland's Towns in the Future**, editor Patricia Dennison, in *Conservation and Change in Historic Towns - Research Directions for the Future*, Part I, Chapter 18, CBA Research Report 122, Council for British Archaeology, 1999

- PP09 Evans, Brian, **Why Small is Beautiful in Scandinavia**, editor Patricia Dennison, in *Conservation and Change in Historic Towns - Research Directions for the Future*, Part I, Chapter 4, CBA Research Report 122, Council for British Archaeology, 1999
- PP10 Evans, Brian, **Within the Pale: About Scottish Towns**, editor, Stuart Macdonald, in *Defining Place : Architecture in Scotland 2004-2006*, Glasgow, The Lighthouse 2006
- PP11 Evans, Brian, **St Andrew Square: Shaping a place**, *Garden History*, Journal of the Garden History Society, *Proceedings of the Edinburgh Gardens and Squares Conference*, 43:SUPPL. 1 (2015), Barbara Simms (editor), Spring 2015
- PP12 Gillespies (Brian Evans – principal author & editor), **Streets Ahead: Technical Guidelines for Quality Streetscape Projects**, Gillespies (Brian Evans – principal author & editor), Scottish Enterprise, Glasgow, 1997, Scottish Enterprise Publication Number SE/1079/Feb97
- PP13 Evans, Brian, **The City with a Green Heart: Lessons from Randstad Holland**, in *Het Debat over de Groene Metropool* by the Eo Wijers Foundation and the Netherlands Instituut voor Ruimtelijke Ordening en Volkshuisvesting (NIROV), the Netherlands, September 1995, republished in the UK in *Sharing the Earth*, J M Fladmark (editor), Donhead, London, 1995
- PP14 Evans, Brian, **The Ecology of the Periphery**, in *The Archaeology of the Periphery*, Project Meganom/Strelka Institute, Moscow Urban Forum, 2013. (Also member of the research team and editorial board)
- PP15 Evans, Brian, **Binary Winds: identity in the digital age**, in *Local Values in a Networked Design World*, AVOCAAD, Martijn Stellingwerff & Johan Verbeke (editors), DUP Science, Brussels, 2004
- PP16 Evans, Brian, Bach-Glowinska, Joanna, **The Congruence of Place**, in *Tradition and Heritage in the contemporary image of the city*, Tomasz Jelenski, Stanislaw Juchnowicz and Ewelina Wozniak-Szpakiewicz (editors), Krakow, 2015
- PP17 Evans, Brian, Tait, Stuart, Kane, Kevin, Ramage, Julie, Grams, Gerry and Langlands, Ian, **Glasgow – a city of continuing traditions (Glasgow – miasto o ciaglosci tradycji)**, in *Poszukiwanie modelu inteligentnego miasta (The search for an intelligent city model)*, Joanna Bach-Glowinska editor, Wolters Kluwer, Warsaw, 2015

- PP18 Evans, Brian and Barton, Rudolph (executive editors), **The Creative City: Connecting People Place and Identity in Glasgow & Portland**, MSA Publications, Glasgow, 2015
- PP19 Evans, Brian and Stockhard, James (executive editors), **The Liveable City: Glasgow & Boston**, MSA Publications, Glasgow, 2016
- PP20 Evans, Brian, **Neighbourhoods: The Basic Building Block of the City**, Chapter 5, in *Space! Place! Life! Learning from Place 1*, Evans, Brian & McDonald, Frank (editors), Second Edition, Routledge, London, 2011. First Edition, RIBA Publications & Cambridge University Press, London, 2007
- PP21 Evans, Brian, Brett, Chris, **Small Cities**, Chapter 3, in *Urban Identity – Learning from Place II*, Evans, Brian, McDonald, Frank, Rudlin, David (editors), Routledge, London, 2011
- PP22 Co-author, co-editor, co-designer, **The Freiburg Charter for Sustainable Urbanism**, The City of Freiburg, the Academy of Urbanism, 2012
- PP23 Evans, Brian, **Understanding and reasoning the landscape**, Chapter 1 and **Towards a new paradigm in landscape and environment**, Chapter 18 in *Growing Awareness: How green consciousness can change perceptions and places*, Evans, Brian and Evans, Sue (editors), RIAS, Edinburgh, 2016
- PP24 Evans, Brian, Elesei, Pietro, Rosenfeld, Orna, Roll, Gulnara, Figueiredo, Amie and Keiner, Marco, (2016) **HABITAT III – Towards a New Urban Agenda**, *disP – The Planning Review*, 52:1, 86-91, DOI: 10.1080/02513625.2016.1171053
- PP25 Evans, Brian, Rosenfeld, Orna, Elesei, Pietro, Golubchikov, Oleg, Saliez, Frédéric, Lenz, Annika and Küsters, Christian, **Towards a city-focussed, people-centred and integrated approach to the 'new urban agenda'**, UN Habitat regional report on the UNECE, United Nations Economic Commission for Europe, Geneva, 2016, published at <https://www.unece.org/housing/habitat3regionalreport.html>

Annex 02

LIST OF SUPPORTING PUBLICATIONS

LIST OF SUPPORTING PUBLICATIONS

- SP01 Mulvagh, G.Y., Evans, B.M., **Creating the Context - a Review of the Public Realm in Glasgow City Centre**, in *Architects Journal* Volume 191, No 22, 30 May 1990
- SP02 Galloway, M.P., Evans, B.M., **Glasgow City Centre - Past, Present and Future**, *Urban Design Quarterly*, Issue 37 January 1991
- SP03 Evans, Brian, **Brittische Wende : Freiräume statt StraBen, (Policy Change in Britain : Pro Open Space, Contra Roads)**, *TOPOS : European Landscape Magazine*, no24 - Landschaft und Verkehr (Landscape and Traffic), September 1998
- SP04 Evans, Brian, **Decentralization to Concentration – Glasgow, Scotland** in *Baukultur as an impulse for growth – good examples for European cities*, Jan Gehl, Rob Adams, Oliver Shultze, Laerke Jul Larsen, federal Office for Building and Regional Planning, German Government, Berlin, 2005
- SP05 Evans, Brian, Arnold, James, **Sheffield City Centre Urban Design Compendium**, *Urban Design Quarterly*, Number 91, Summer 2004, ISSN 0266-6480, 2004
- SP06 Evans, Brian, **Competition for the Expansion of Moscow**, in *Water Landscapes*, TOPOS – the International Review of Landscape Architecture & Urban Design, No81, Munich, 2012
- SP07 Evans, Brian, **Moscow River a Living Environment**, in *Resilient Cities & Landscapes*, TOPOS – the International Review of Landscape Architecture & Urban Design, No90, Munich, 2015
- SP08 Evans, Brian, **Teaching Urban Design In Sweden**, *Urban Design Quarterly*, 2002
- SP09 Evans, Brian, **Designing with Nature: A National Perspective – Keynote Paper**, *Managing Change in Scotland's Landscapes*, 50th Anniversary Conference of the Founding of the Landscape Institute in Scotland, Concert Hall Perth, 27/28 November 2012
- SP10 Co-curator, **The Expansion of Moscow**, short film produced for the Capital Cities Planning Group, directed by Alkis Tsavaris, JTP Architects, Masterplanners, Urbanists, London, 2012

- SP11 Co-curator, **Moscow River Future Ports**, short film produced for the Meganim-Gillespies Consortium, directed by Yuri Gregorian, Project Meganom, Moscow, 2013
- SP12 Co-curator, **Zhukovsky Masterplan Charette Moscow**, short film produced for JTP-Gillespies Consortium, directed by Alkis Tsavaris, JTP Architects, Masterplanners, Urbanists, London, 2011
- SP13 Co-curator, **Vatutinki Masterplan Charette Moscow** short film produced for JTP-Gillespies Consortium, directed by Alkis Tsavaris, JTP Architects, Masterplanners, Urbanists, London, 2012
- SP14 Co-curator, **Suzhou Eco-town, Suzhou, China**, short film produced for JTP-Gillespies Consortium, directed by Alkis Tsavaris, JTP Architects, Masterplanners, Urbanists, London, 2012
- SP15 Co-curator, **Pingshan Eco-town, Shenzhen, China**, short film produced for JTP-Gillespies-Eble Consortium, directed by Alkis Tsavaris, JTP Architects, Masterplanners, Urbanists, London, 2009

Annex 03

DECLARATION OF AUTHORSHIP

DECLARATION OF AUTHORSHIP

Much of the evidence underpinning the publications in this submission was assembled through collaborative work by teams of people. It is important to document clearly the working method and my role. At the outset, it is important to stress that, although I have shared the journey with partners and collaborators along the way, the coherence and structure of the body of published work has been curated by me alone. I have put in place and actioned the intent and discipline to achieve a number of goals: to structure, record, document and publish the work in the form presented; to purpose design practice to an intellectual as well as an aesthetic and practical end; and to explain, disseminate and give coherence to a body of design practice in urbanism. Latterly, I have sought to extend these aims to help explain and disseminate key trends and directions for the city in the 'global' (or developed) north at the beginning of the 21st century aided by the meta-principles identified through this submission.

With the project work that is written up in the supporting publications, I acted as the partner leading the Gillespies work. In respect of research objectives, I set the parameters for the work, made the questions underlying briefs explicit and reconciled these with best practice and intellectual enquiry. I framed the methodologies, established the techniques to be employed, briefed and edited content and acted as principal writer and editor of the finished documents – the role of principal investigator in research terminology.

In every case where the (supporting) publications document the projects with myself as sole author, the authorship is solely mine. In all the cases where I share authorship, I prepared the text and undertook the editorial of the final document.

This pertains where Gillespies, under my direction as partner, was sole or lead consultant. In the case of consortia projects where Gillespies were part of a larger team, a slightly different methodology pertains. In these instances (described in SP06/SP07 and SP10–SP15), I acted as director of Gillespies input and as co-creator (co-investigator) for the project as a whole. In the case of SP10–SP15, I have described my role as co-curator for the films produced. In these instances I shared the producer role with colleague partners in the other practices, storyboarding the script for the director who is named in each case as auteur.

With the principal publications that form the substantive part of this submission, I had sole authorship of the publications where I am listed as sole author (PP01–PP04, PP06, PP08–PP11, PP13–PP15 & PP20). In PP05 (and SP04), I authored a case study that was included in an anthology edited by others. Two of the principal publications (PP07 & PP12) have

Gillespies identified as author. In these cases I undertook the role described in the second paragraph above i.e. principal investigator.

In PP18 and PP19, I set the research questions, directed the studio and supervised the research undertaken by a group of Part II architecture students as a research project within the Glasgow Urban Laboratory. In both instances I was assisted and supported by the Fulbright scholars attached to the Glasgow School of Art. The formal responsibility for the work was my own.

For PP16, I gave the conference presentation and was co-author. For PP17 and PP21, I was lead author, coordinator, and editor.

Finally, there are a number of publications where my role has been as one of research coordinator, editor and author of specific parts of the work.

With work for the Academy of Urbanism (PP20–PP22), I acted as principal editor of the two books published by Routledge (PP20 & PP21) and acted as author of individual chapters. With PP22, I was a part of a research team that brought the document together acting in a drafting and editorial capacity.

For 'Growing Awareness' (PP23), I approached the Central Scotland Green Network Trust to investigate, document, order and disseminate the evidence the organisation has collected over 5 years through their annual national conference in Scotland (the Green Network Forum). Working in partnership with my wife, we reviewed the material assembled, structured the work into three themes, briefed and edited the work of the 15 selected authors. The work was a partnership effort. It is necessary here, however, to identify my distinctive contribution. It was my responsibility to clarify from authors the intellectual and pedagogic elements of their work, to bring coherence to the whole and to set up the framework for the research in the first chapter and to draw it together in the final chapter under my authorship.

Finally, in the case of PP25 (UNECE Regional Report), I briefed a specialist input for chapter 4 (Rosenfeld), collaborated on chapters 5 and 6 (Küsters and Elisei), authored the remainder of the report and structured and edited the entire content. For PP24 (the journal article in 'disP'), I collaborated with the Acting Director (Keiner) and colleagues in the UNECE Division responsible on what is, in effect, a pre-publication executive summary of the report that was intended to disseminate the content in advance and stimulate consultation. Thereafter, I was responsible for collating comment on the report itself from member states, UN staff and from the academy to refine and obtain signoff on the final

document from the UNECE Committee of Housing and Land Management prior to Habitat III.

Letters from co-authors, collaborators and clients corroborating this statement of authorship have been submitted under separate cover to the Head of Research, the Glasgow School of Art.

Signed:

Name in print: BRIAN MARK EVANS

Date: 20 May 2017

Annex 04

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Annex 05

CURRICULUM VITAE

NAME: **Professor BRIAN MARK EVANS**
 BSc (hons), DipURP, MSc, MRTPI, FCSD, MIOU, AoU

BORN: St. Andrews, Fife, Scotland

ADDRESS: 7 Seyton Court, Giffnock, GLASGOW, G46 6QA, Scotland UK

Tel: + 44 141 620 1518

Mobile: + 44 780 1495 155

Email: brian.mark.evans@gmail.com

Academic Qualifications:

Master of Science, Urban Design, 1992, University of Strathclyde,
 Department of Architecture & Building Science, Glasgow, UK

Postgraduate Diploma, Urban & Regional Planning (with distinction),
 1979 University of Strathclyde, Centre for Planning, Glasgow, UK

Bachelor of Science cum laudam, Geography with Mathematics, 1975
 Faculty of Science, University of Edinburgh, Edinburgh, UK

Professional Qualifications:

Academician, the Academy of Urbanism	2005
Member of the Institute of Directors	1999
Fellow of the Chartered Society of Designers	1992
Corporate Member of the Royal Town Planning Institute	1979

Adviser: Scottish Council for Development & Industry (Glasgow 2015 – to date); UNECE (Geneva 2014 – to date); National Companies in architecture and law (London and Edinburgh 2014 – to date); Global Utmaning (Stockholm 2014); John Smith Memorial Trust (London 2014); All Russia Forum – ‘Strategic Planning in the Cities & Regions of Russia’ (St Petersburg 2014); Moscow Urban Forum (2013), Moscow City (2012-14); Bath World Heritage (2010); Sheffield City (2006-14); Urban Planning Council & Emirates Foundation (Abu Dhabi 2008-09); Gloucester Urban Regeneration Company Board (2008-09); Edinburgh World Heritage (1999-2004); Grainger Town Project Board (1999-2004); Eo Wijers Stichting (Netherlands 1998); Aberdeen City Centre Management Company (1995-2002); Heriot Watt University (1996-98).

Awards: Some 30 national and international awards for professional and design excellence in projects including: Europa Nostra, the Congress for New Urbanism (USA), The Scottish Government, The Civic Trust, The Royal Town Planning Institute and The Landscape Institute.

Publications: Author, editor and contributor to some 20 books and over 80 articles on design, landscape planning and urbanism published in English, German, Swedish, Russian, Dutch, Spanish, French, Polish and Chinese.

Conferences: Papers, presentations and chairing of over 100 national and international conferences in Scotland, the UK, Europe, Scandinavia and Russia.

Interests: Design, cities, the landscape, travel, photography, languages, music, mountain walking, literature, gardening.

Languages: Italian, French, Spanish and German comprehension – the ability to be polite in several European Languages

Brian Mark Evans – Career Summary: Professional, Academic, Public Service

- 2015–to date **Professor of Urbanism and Landscape**, Mackintosh School of Architecture, The Glasgow School of Art. (www.gsa.ac.uk)
- 2003–2015 **Senior Partner: Scotland & International, Gillespies LLP**, Glasgow & London (www.gillespies.co.uk)
- One of 4 senior owner partners responsible for the overall leadership and direction of the business of Gillespies LLP with annual turnover of £7-9million;
 - Personal responsibility for the business in Scotland with an international portfolio in Scandinavia, Russia, the Middle East and China;
 - Responsible for establishing the discipline of landscape planning and pioneering the development of eco-urbanism;
 - Project leadership in 20 countries across 3 continents.
- 2011–to date **Leader, The Glasgow Urban Laboratory**, Research Partnership of Glasgow City Council & The Glasgow School of Art (<http://www.gsa.ac.uk/research/research-centres/glasgow-urban-lab/>)
- Direction of Fulbright Commission programme of distinguished US professors at GSA-MSA;
 - UK Management Committee Member on EU COST Action;
 - Advisory roles to international bodies and urban authorities.
- 2010–to date **Head of Urbanism, Mackintosh School of Architecture, The Glasgow School of Art.** (www.gsa.ac.uk)
- Leading and supervision of research and teaching.
- 2008–2012 **Honorary Professor**
The University of Glasgow/The Glasgow School of Art
- Establishment of the Glasgow Urban Laboratory – research and practice partnership of Glasgow City Council and The Glasgow School of Art.
- 2004–2010 **Deputy Chair & Chair of Design Review**
Architecture + Design Scotland, Edinburgh, (www.ads.org.uk)
- A+DS was established by Scottish Ministers in 2004 as the Non-Departmental Public Body to champion and promote design & the environment:
- Deputised for the chair in all aspects of the NDPB's business including the development of the corporate plan and annual operating plans;
 - Established and chaired the design review process;
 - Member of the audit committee.
- 2005–2014 **Founding Director, The Academy of Urbanism, London** (www.academyofurbanism.org.uk)
- Worked with a small multi-disciplinary core team to establish the new organisation including ethos, mission, portfolio & membership;
 - Founding board director with responsibility for pedagogy and publications.

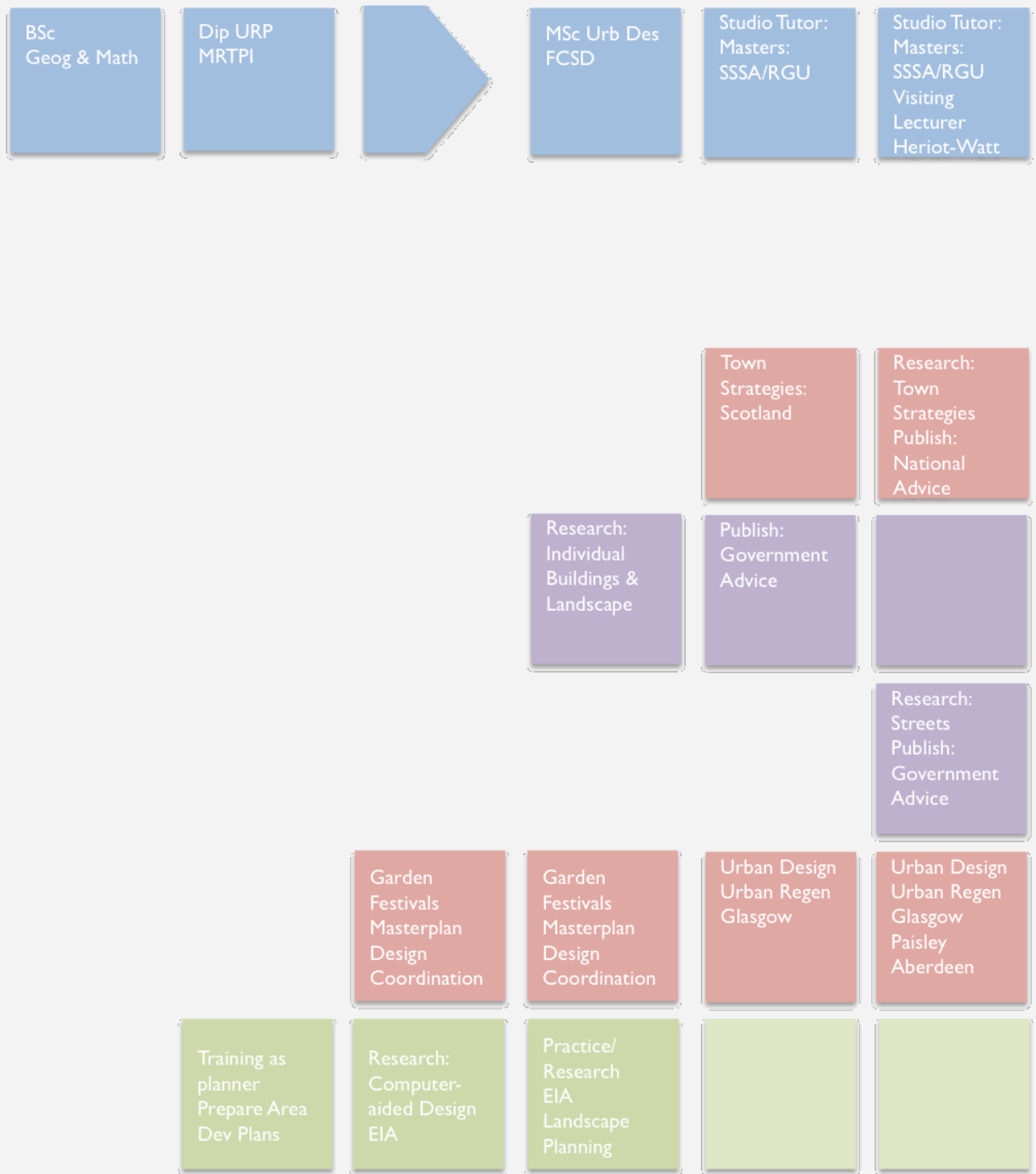
- 2006–2016 **Member & (from 2010) Co-chair, Sheffield Urban Design and Sustainable Development Panel, Sheffield**
<https://www.sheffield.gov.uk/planning-and-city-development/urban-design--conservation/urbandesign/sustainablepanel.html#what>
 The Chair's responsibility is to ensure that Panel:
- Continues Sheffield's transformation by encouraging high quality urban design;
 - Secures design excellence in the built environment;
 - Contributes towards the City's objectives to become a low carbon city;
 - Assists in local action to tackle climate change;
 - Helps to reduce carbon emissions.
- 2006–2015 **Board Member, the Nordic Urban Design Association**
 Bergen, Norway
- International body for the promotion & exchange of urban design ideas in the Nordic and North Sea countries.
- 2003–2006 **CABE Enabler, The Commission for Architecture & the Built Environment**
<http://webarchive.nationalarchives.gov.uk/20110118095356/http://www.cabe.org.uk/>
- Embedded within client organisations on behalf of CABE to enhance the role of design and environmental values within the development process – experience through the northeast of England.
- 1998–2004 **Artistic Professor Stadsbyggnad (Urban Design & Planning), School of Architecture, Chalmers University of Technology, Gothenburg**
<http://www.chalmers.se/en/departments/arch/Pages/default.aspx>
<http://www.chalmers.se/en/research/our-scientists/Pages/our-professors.aspx>
- Research, second supervision of PhD students, supervision of masters theses;
 - Collaborative work with Gothenburg City Dept of City Planning including the feasibility of establishing an 'urban laboratory' with Gothenburg City and the Hisingen Island Development Corporation;
 - Running the masters course in urban design with two support staff, lectures, tutorials & crits in years 2, 3 & 4.
- 1989–2003 **Partner, Gillespies**
www.gillespies.co.uk
- Partner leading projects nationally and internationally in the disciplines of environmental impact analysis, landscape planning, urban design.
- 1989–1999 **Masters Studio Co-Leader, Scott Sutherland School of Architecture**
 Robert Gordon University, Aberdeen
- 1993–1999 **Visiting Lecturer – Urban Design**
School of Planning & Housing, Heriot-Watt University, Edinburgh
- 1985–1988 **Deputy Design Coordinator, the Glasgow Garden Festival**
- 1979–1989 **Landscape Planner, Senior Landscape Planner, Associate**
 William Gillespie & Partners

- 1975–1979 **Assistant Town Planner, Town Planner**
Lanark District (now South Lanarkshire) Council
- 1975 **Graduate Trainee Planning Assistant**
Cumbernauld & Kilsyth Council

1975

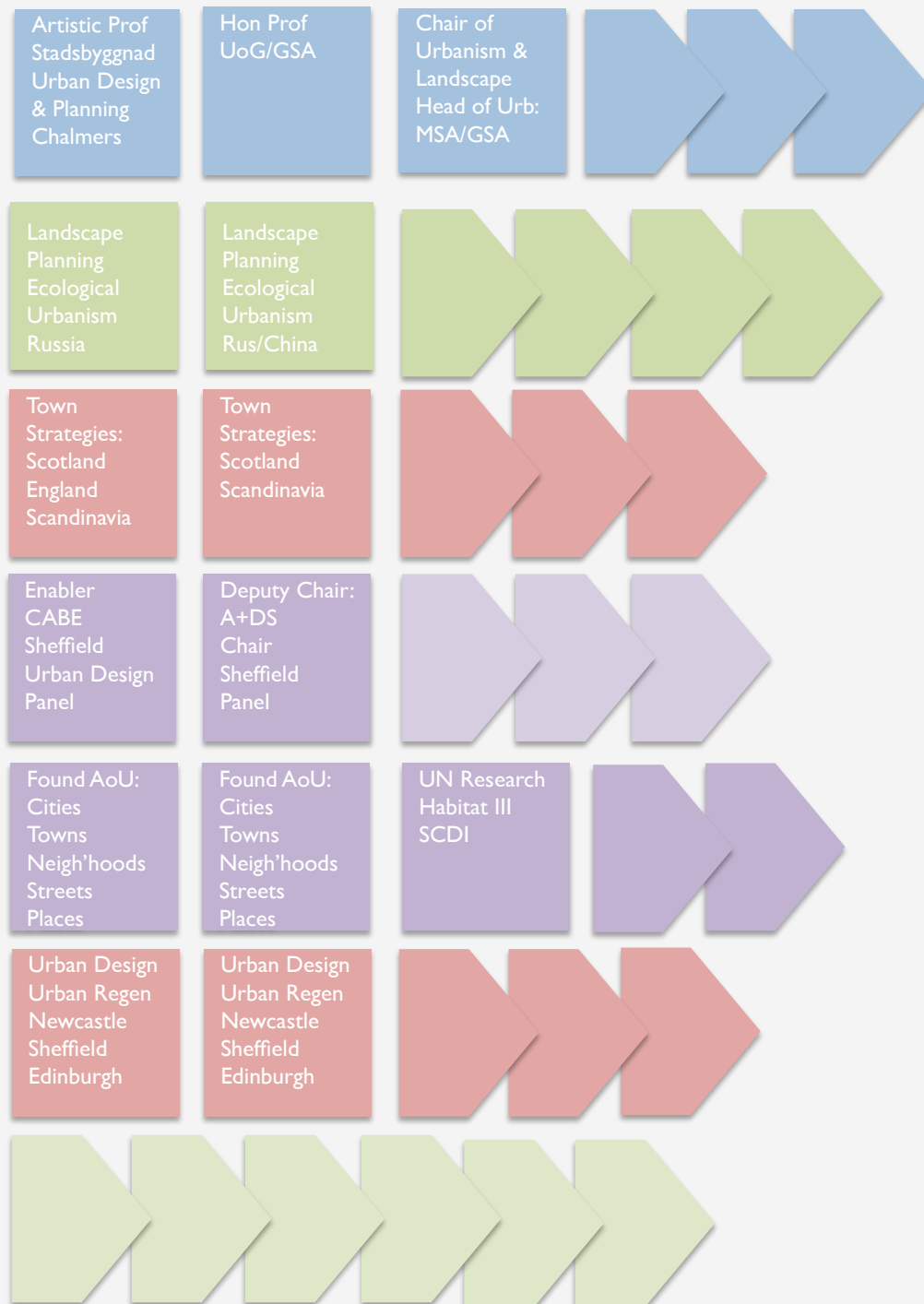
1985

1995



2005

2015



Annex 06

CATALOGUE OF WORK

CATALOGUE OF WORK

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- VI(c): Other Outputs (Awards)
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- VI(e): Other Outputs Consultative Design Charrettes
- VI(f): Other Outputs (Exhibitions)
- VI(g): Other Outputs (Videos)
- VI(h): Other Outputs (Expert Evidence)
- Honorary Professorship letters of Appointment UoG/GSA

I: BOOKS

Brian Evans and Sue Evans (editors), **Growing Awareness – how green consciousness can change perceptions and places**, RIAS, Edinburgh, ISBN-13 978-1-873190-72-2, 287 pp 2016

Brian Evans, Orna Rosenfeld, Pietro Elesei, Oleg Golubchikov, Frédéric Saliez, Annika Lenz and Christian Küsters, **Towards a city-focussed, people-centred and integrated approach to the 'new urban agenda'**, UN Habitat regional report on the UNECE, United Nations Economic Commission for Europe, Geneva, pp 127, 2016, published at <https://www.unece.org/housing/habitat3regionalreport.html>

The Liveable City a comparison of Glasgow and Boston, Brian Evans and James Stockard, Executive Editors, MSA Publications, ISBN 978-0-9576660-5-4, June 2016

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Brian Evans, Frank McDonald & David Rudlin (editors), **Urban Identity – Learning from Place II**, Routledge, London, ISBN 978 0 41561 403 0, 181pp, 2011

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II: CHAPTERS IN BOOKS

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IV: CONFERENCE CONTRIBUTIONS

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New Urban Planning Models of the Moscow Region: the formation of a Balanced Housing Market, Moderator Alexei Muratov, partner, Strelka Consulting, Conference organised by Strelka as part of Construction Week in the Moscow Region, 5-8 August 2014

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Ecology of a Megacity: Transition to Integrated Strategies, Chair, Moscow Urban Forum, 5 December 2013

The Potential for the Creative Industries in Moscow, Moscow Urban Forum, 5 December 2013

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Capital Potentials: the Future Public Expansion of Moscow, Public Lecture, Moscow Festival of Architecture, 7 December 2013

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The Role of Charrettes in Masterplanning, Guest Lecture, Geddes Institute for Urban Research, University of Dundee, 27 September 2013

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The City in the Forest: Metropolitan Moscow, Keynote Paper to Metrex Spring Conference, Glasgow, 24-26 April

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Strategic Place-Making: International Experience, *Visioning Urban Futures*, Scottish Cities Knowledge Centre, 2nd Annual Conference, Edinburgh, 17-18 April (<http://www.sckc.org.uk/tag/visioning-urban-futures>)

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Investing in Place, Session Chair, Scottish Cities Knowledge Centre, Inaugural Meeting, St Andrews University, 2011

Neighbourhood Stories, Conference Chair, The Academy of Urbanism Annual Congress VI, Neighbourhood Stories, 2011

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Keynote Address, Scottish Designers Abroad, Cross-party Group, Scottish Parliament, May 2011

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Scottish Young Planners Conference 2010, *Conference Chair*, Scottish Young Planners Society, Glasgow, 2010

Great Places, Great Cities International Conference, *Conference Chair*, Greenspace Scotland, June, 2009

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The Regeneration & Transformation of the City of Glasgow, invited lecture, City Planning & Design Institute, Chongqing University, Chongqing, Peoples Republic of China, 2009

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Architectuur Lokaal, *Conference Chair*, Panorama Expert Meeting, The Netherlands - Scotland on Landscape, June 2007,

World Heritage Day 2007, *Conference Chair*, Edinburgh World Heritage Trust, April, 2007

The Transformation of Glasgow - from Gordon Cullen to Zaha Hadid, Keynote Paper to third annual conference of the Nordic Urban Design Association, Bergen, February, 2007

Landscape Architecture & Design in the Architecture Programme at Chalmers University School of Architecture, Università IUAV di Venezia, Oltre Il Giardino Dessiner sur l'herbe 2006,

The Design of the Public Realm in Historic Cities, *Inspiring Cities: New Design in a World Heritage City*, Organisation of World Heritage Cities, May, 2006

Urban Design and Regeneration of the Public Realm, paper to Annual Conference of the English Historic Towns Forum, Winchester, September 2002

Towards a Strategy for Public Places and Green Space in Middlesbrough, workshop with Dr. Jan Gehl, Royal Academy, Copenhagen, Middlesbrough 28-30 May 2002

Creating Spaces for People : Tomorrow's Public Realm, Scottish Society of Directors of Planning, Linlithgow, November 2001

Let's be Inspired by Barcelona!, paper to Skönhet – Funktion – Identitet, annual conference of SvenskaKommunsForbundet (Swedish Association of Local Authorities), Stockholm, 25-26 September 2001

Urban Streetscape Design, paper to the autumn conference of the Society of Chief Officers in Transportation in Scotland (SCOTS), South Lanarkshire Council, September 2001

The Future of Town Centre Management, workshop for Scottish Enterprise, Stirling University, August 2001

EURBANET: Polycentric Urban Regions in the North Western Metropolitan Area, expert workshop on Central Scotland, Glasgow 24 May 2001

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Central Government Advice on Suburban Development 1990-2000 : Its Form and Effect, paper to the *Annual Convention of the Royal Incorporation of Architects in Scotland* (RIAS), Dundee, 17 May 2001

Its Your Building, but Our Town - Designing the Future of Our Cities, The Ryden Lecture, Department of Land Economy, University of Aberdeen, 26 October 2000.

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Grainger Town - Investing in Quality; the Transformation of the Public Realm, Conference to Launch the Quality Initiative in Urban Regeneration, Grainger Town, Newcastle-upon-Tyne, 16 June 2000.

The Future of the Aberdeenshire Towns Programme, keynote address to invited seminar of politicians and decision-makers to review the future of the programme, Inverurie, 12 June 2000

Towards an Agenda for the Urban Realm, Scenario Planning Workshop for decision-makers and civic leaders, Aberdeen, 16 May 2000

The Concept of the Public Realm, Biennial Conference, METREX - The Network of European Metropolitan Regions, Turin, 12 May 2000.

The Dissolving City & the New Urbanism, conference chair, Chalmers & Gothenburg Universities, 20-22 March 2000

Urban Design Strategies for the Public Realm - the Scottish Experience, invited lecture to staff & students, Royal Danish Academy of Architecture, School of Architecture, Dept of Urban Design, Copenhagen, 17 February 2000

The Future of Forfar Town Centre, Community Planning Workshop, Forfar, 9 March 2000

A Tale of Two Cities - Future Urban Scenarios for Edinburgh & Glasgow, Investment Property Forum, Edinburgh, 8 February 2000

The Future of Aberdeen City Centre - Development, Investment & Retail, invited seminar, Aberdeen City Centre Partnership, 10 November 1999

The Future of Aberdeen City Centre - City Centre Living & Housing, invited seminar, Aberdeen City Centre Partnership, 9 November 1999

Public Realm Strategies & Guidelines : Lessons from Glasgow & Newcastle, Urban Design Strategies in Practice, University of Liverpool, 27 April 1999, Tate Gallery, Liverpool.

Grainger Town Public Realm Strategy, Presentation to City of Newcastle Transport Focus Group of Elected Members, Senior Officials, Major Businesses and Retailers, Newcastle Civic Centre, 19 November 1998, (Residents and Business Fora March 1998)

The Importance of Urban Design in the Regeneration of Small Historic Towns,

invited address to Historic Burghs Association of Scotland, Annual General Meeting, Linlithgow, 29 October 1998 paper to the autumn conference of the Society of Chief Officers in Transportation in Scotland (SCOTS), University of Strathclyde, 11 September 1998

The future of Aberdeenshire Towns, keynote address at the public launch of the Aberdeenshire Towns Partnership, Stonehaven, 16 March 1998

A Future Strategy for Stonehaven, Public Presentation & Workshop, Stonehaven Town Hall, 8 October 1998.

The Heart of the Forest, concept development workshop for Central Scotland Countryside Trust, Newhouse, 21 September 1998. Joint Conference of the Royal Town Planning Institute and the Landscape Institute, London, 14 July 1998.

Reading the City : Approach & Orientation, Robert Gordon, The Robert Gordon University Heritage Convention, Aberdeen, 7 July 1998.

Impressions of Sunnmøre, keynote paper to conference on the strategic future of the Region of Sunnmøre, Sunnmøre Næringsråd & the County of Møre og Romsdal, Norway, 22 March 1998.

Landscape Planning & NATURA 2000 in Scotland, address to the Swedish Biodiversity Centre, Agricultural University, Uppsala, Sweden, 1997.

Creative Urbanism in Regeneration - the Example of Glasgow, address to the City of Uppsala, Sweden, 1997.

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Financing the Public Realm, workshop chair, Managing Urban Change, Urban Villages Forum & the City of Edinburgh Council, Edinburgh, 1997.

Design, the Planning Process & New Housing Developments, Quality Issues in New Housing, seminar, School of Planning & Housing, Edinburgh College of Art, Heriot-Watt University, Edinburgh, 1996.

Design Quality in the Rural Setting, The Pursuit of Quality, annual conference of the Royal Town Planning Institute - Scotland, Glasgow, 1996.

Millenial Burghs - Scotland's Towns in the Future, Conservation & Change in Historic Burghs, Centre for Scottish Urban History, University of Edinburgh, 1996.

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Urban Design in Central Glasgow, Scottish Cities & Urban Design, CPD seminar, Royal Incorporation of Architects in Scotland, Edinburgh, 1996.

A Strategy for the Public Realm in Glasgow - Sustainability in Urban Design, lecture to the postgraduate school, Centre for Planning, University of Strathclyde, 1996.

Keynote speech to *De Groene Hart Gesprekken Slotbijeenkomst*, the concluding colloquium involving the Dutch Ministers for Environment and Agriculture for the national debate concerning the future of the Green Heart of Randstad, The Hague, December 1996.

Competitive Locations - A Strategy for Scotland as an Internationally Competitive Business Location & Environment, participant in expert seminar, Scottish Enterprise, 1996.

The Designer's Role, paper to Designing for Rural Areas, Continuing Education for Planners Conference organised by Heriot Watt University and the Edinburgh College of Art, Edinburgh, November 1995.

Keynote Address to the Secretary of State for the Environment, Civic leaders, jury, participants and invited audience, awards ceremony for the International Competition Inside Randstad Holland, Kunsthall, Rotterdam, June 1995.

Best Practice in the Design and Construction of Pedestrian and Traffic Calmed Streets, seminar and workshop organised on behalf of Scottish Enterprise and presented to local economic development, property and environment executives, Glasgow, August 1995.

Keynote Address to the inaugural meeting of the Glasgow Planning Graduates Association, University of Strathclyde, May 1995.

Best Practice in the Planning of Streetscape Projects, Seminar and workshop organised on behalf of Scottish Enterprise and presented to local economic development, property and environment executives, Motherwell, June 1995.

Vision and Celebration in European Cities, Civilising City Centres - the Northern European Challenge, keynote paper to an International Conference, Aberdeen, November 1994.

An introduction to PAN 44: Fitting New Housing Development into the Landscape, the Impact of Development on the Landscape, Continuing Education for Planners, Conference organised by the RTPI, Sept 1994, Battleby, Perth.

A Review of Research into Best Practice in the Planning and Design of Streetscape projects, paper to conference organised by the Association of Town Centre Management, London, March 1994.

From Urban Gloom to Post Industrial City, The City and the Creative Process, International Programme, Royal Swedish Academy of Engineering Sciences, May 1994, Stockholm.

Paesaggio Urbano, Qualità Ecologica e Riqualificazione della Città di Glasgow, Environmental and Ecological issues in Urban Planning, International Conference, Milan Polytechnic, November 1993.

The Study of Landscape and Buildings in the Countryside, Design and the Scottish Vernacular, Continuing Education for Planners Conference organised by the Royal Town Planning Institute, Glasgow, April 1993.

Il Recupero Ambientale di Aree Dismesse da Attività Industriali : L'Esperienza Scozzese, International Convention: Le Aree Industriali ad Alto Rischio Ambientale, University of Venice, April 1993.

Dear Green Place : The UK Contribution to the 18th Internationale Triennale of Milan, UK reception and launch of the British participation, Casa d'Italia, Glasgow.

The Glasgow Square, 10th International Making Cities Liveable Conference, Ateneo Veneto, Venice, Italy, July 1991.

Landscape Issues in Development Control of Buildings in the Landscape, Continuing Education for Planners, Edinburgh College of Art, Edinburgh, May 1991.

Glasgow City Centre and the River Clyde, a series of workshops given at Urban Edges, 5th Conference of the International Centre for Studies in Urban Design, Glasgow, September 1990.

La Recualificacion del Centro y Areas Industriales Antiguas, Las Ciudades del Norte Industrial, Rehabilitation Urbana, VII Curso Internacional, Universidad Internacional Menendez Pelayo, Cuenca, Spain, September 1990.

Glasgow City Centre - Past, Present and Future, paper to Urban Design Group Conference, Glasgow, April 1990.

Buildings in the Landscape : A Sense of Place in Rural Design, Timber Building in the Rural Environment, Continuing Education for Planners Conference, Battleby, Perth, October 1989.

The Role of a Garden Festival in Urban Regeneration, paper to the Queensland Branch of the Royal Australian Planning Institute, Brisbane, July 1988.

The Landscape Setting of Building in the Countryside, Continuing Education for Planners Conference, Aberdeen, February 1988.

A series of workshops, for Professional Architects, Landscape Architects, Surveyors, Land Agents, Planners, Developers and Builders organised at Battleby on behalf of the Countryside Commission for Scotland on the subject of the design and setting of new development in the countryside 1987.

Computers, Horticulture and Landscape, Lecture to Staff & Students, Royal Botanic Gardens Kew, London, June 1987.

Glasgow Garden Festival : Design Method and Masterplan Development, paper given to the Glasgow Institute of Architects, November 1986.

The Use of UNIX based Systems in Design Offices : Case Study, Construction Industry Computing Association Conference the University of Strathclyde, Glasgow, September 1984.

Computer Aided Landscape Design, one day seminar with staff, undergraduate and postgraduate students at the Department of Landscape Architecture, University of Sheffield 1984.

The Development of a Ground Modelling System for Gillespies, paper to "GREENCHIPS" - Computer Aided Landscape Design: Principles and Practice", two day symposium held at the University of Strathclyde, Glasgow, April 1983.

The Development of a Ground Modelling for Landscape Architects, paper to "Computers & Architectural Practice", a two day conference held at the Institute of Advanced Architectural Studies, University of York, York, November 1982.

V: RESEARCH REVIEWS & RESEARCH REPORTS

Towards a city-focussed, people-centred and integrated approach to the 'new urban agenda', UN Habitat regional report on the UNECE, United Nations Economic Commission for Europe, Geneva, pp 127, 2016, published at <https://www.unece.org/housing/habitat3regionalreport.html>

Streets for All, Design Advice for Streets, English Heritage, 2003

Preparation of a Methodology for the Routeing of Overhead Transmission lines in Scotland, for Scotland Power and in England & Wales for Manweb, 2010

Preparation of a Methodology for the Routeing of Overhead Distribution lines in Scotland for Scotland Power and in England & Wales for Manweb, 2010

London Docklands - an Urban Design & Environmental Appraisal, Department of the Environment 1999

Urban Design led Strategies for the regeneration of Small Towns, Scottish Office, 1997

Scotland's Small Towns - Towards a Better Understanding, Scottish Office, 1997.

The Aesthetic & Structural Design of Engineering Structures, the Glasgow School of Art and Scottish Power, 1995-97.

Evaluation of Property 'Software' Programme, Glasgow Development Agency, 1996.

Urban Design Appraisal of Traffic Management Options for Glasgow City Centre, Strathclyde Regional Council, 1994.

The Design, Prototype, Production and Implementation of a New Urban Signing System for Glasgow City Centre & West End, Glasgow Development Agency & Glasgow City Council, 1994-5.

Tayside Natural Stone Materials Study, Scottish Enterprise Tayside, 1995.

The Environmental Assessment of Transmission Lines - Consideration of Visual, Landscape & Ecological Guidelines & the Issue of Significance, Scottish Power, 1996.

A Landscape Assessment of the Shetland Isles, Scottish Natural Heritage, 1995.

Comparative Study of Streetscape Works, Scottish Enterprise, 1995.

Streetscape - A Best Practice Guide, Scottish Enterprise, 1994

An Urban Design Methodology for Appraising Traffic Management Proposals, Strathclyde Region, 1994.

Fitting New Housing Development into the Landscape, Scottish Office Environment Department, 1993-4, 2 volumes.

Chapelcross Power Station Design Research Study, British Nuclear Fuels Ltd, 1994.

A Rural Landscape Model for Wales - Application of the Madrid Methodology to Part of North Wales, Countryside Council for Wales, 1994.

Provision for and Management of Open Space in Private Housing Development, Scottish Office 1993.

Glasgow - Towards a Strategy for the Public Realm, Glasgow Development Agency 1993.

Safeguarding Historic & Designed Landscapes in Scotland, Historic Scotland and the Scottish Office, 1992.

Restoring Urban Space - The St. Enoch Neighbourhood in Central Glasgow, MSc thesis, Department of Architecture & Building Science, University of Strathclyde, 1992

Glasgow City Centre: Management & Maintenance for Urban Quality - Towards Good Practice, Glasgow Development Agency, 1991.

Glasgow City Centre & the Clyde - Continuing the Renaissance, Paper No.1 - Urban Quality in Glasgow, Glasgow Development Agency 1990.

Glasgow City Centre & the Clyde - Continuing the Renaissance, Paper No.2 - The Project Initiatives, Glasgow Development Agency, 1990.

The Landscape Setting & Design of Buildings in the Countryside, Countryside Commission for Scotland, 1989.

Visibility Studies and Statement of Method for Routeing Transmission Lines, with Turnbull Jeffrey Partnership, South of Scotland Electricity Board, 1984.

The Preparation of a Code of Practice for Upland Track Construction and Identification of Ground Cover Habitats by Remote Sensing and Other Interpretation Techniques, South of Scotland Electricity Board, 1984.

Physical Effects of Construction & Maintenance Operations of Upland Access Tracks, South of Scotland Electricity Board, 1983.

The Development of a Ground Surface Evaluation Computer Model for use by Landscape Architects, Edinburgh Computer-Aided Architectural Design Unit, Department of Architecture, University of Edinburgh, 1982-84.

The Implications of Conventional Electricity Generation for the Planning System in Scotland, postgraduate thesis, Department of Environmental Planning, University of Strathclyde, 1979.

SUPERVISION OF MASTERS RESEARCH

Mackintosh School of Architecture

The Glasgow School of Art, Glasgow

Stage 4 Supervision of group & individual research projects:

1. 2012/13 – Moscow Life on the Edge
2. 2014/15 – The Creative City: Portland (Oregon) & Glasgow (Scotland) in association with Prof Rudi Barton 2014/15 Fulbright Professor
3. 2015/16 – The Liveable City: Glasgow and Boston in association with James Stockard 2015/16 Fulbright Distinguished Scholar
4. 2016/17 – The Resilient City: Glasgow and Pittsburgh

School of Architecture

Chalmers University of Technology, Gothenburg, Sweden

Final Year Urban Design Studio:

- | | |
|---|------------------|
| 1. Urbanism & Urbanity | Aut/Spring 01/02 |
| studio with Professors Hans Bjur & Ingrid Appleboom Karstin | |
| 2. Interconnected Implants | Autumn 99 |
| Hissingen, Göteborg | |
| 3. Investigations & Interventions in the City | Spring 99 |
| Hissingen, Göteborg | |
| 4. A New Cultural Space | Autumn 98 |
| Korsvägen, Göteborg | |

Scott Sutherland School of Architecture

Robert Gordon University, Aberdeen

The Office of Urban Architecture

Diploma/Masters Programme in Advanced Architectural Studies

- | | |
|---|-----------|
| 1. <i>In Search of the New Palimpsest</i> | 1996-1997 |
| - an Alternative View of Aberdeen City Centre | |
| 2. <i>GREENLINK</i> | 1995-1996 |
| - Opening a Green Corridor through Aberdeen | |
| 3. <i>The Emerald City</i> | 1994-1995 |
| - the Character of a "Green City" | |
| 4. <i>The Street to the River</i> | 1993-1994 |
| - a Dialogue between the Elements of the City | |
| 5. <i>St.Clements, Aberdeen</i> | 1992-1993 |
| - Re-creation of a City Centre Neighbourhood | |
| 6. <i>The Great Street</i> | 1991-1992 |
| - Creation of a Major New Urban Thoroughfare | |

Honours Theses in Architecture

- | | |
|---|-----------|
| 1. <i>A Comment on the Successful Urban Regeneration of the Merchant City in Glasgow & Temple Bar in Dublin</i> | 1996-1997 |
| 2. <i>The Shaping of the Square</i> | 1996-1997 |
| 3. <i>The Capital Complex of Chandigarh</i> | 1995-1996 |
| 4. <i>Popular Culture & Architecture</i> | 1995-1996 |

Department of Product Design

Glasgow School of Art

Masters Theses in Product Design Engineering

- | | |
|--|-----------|
| 1. <i>MIST - Minimum Impact Structural Tower</i> | 1996-1997 |
| 2. <i>OPTIMUM - Overhead Power Transmission</i> | 1995-1996 |

Department of Planning & Housing

Edinburgh College of Art

Final Year Option - Urban Design

- | | |
|--|-----------|
| 1. <i>The Royal Edinburgh</i> | 1996-1997 |
| – an Urban Village in Central Edinburgh | |
| 2. <i>Newington Village</i> | 1995-1996 |
| – a New Urban Community in Central Edinburgh | |
| 3. <i>The Royal Infirmary, Edinburgh</i> | 1996-1997 |
| – a Masterplan for Regeneration | |

VI(a): OTHER OUTPUTS (DESIGN COMMISSIONS)

INTERNATIONAL

EUROPE & SCANDINAVIA

Zlotopolice Warsaw Poland, Masterplan for a new residential suburb, with JTP
London and Gillespies Glasgow, 2015

Visioning Strategy, Visby City, Gotland, Sweden, 2014
Landscape Masterplan for Kusnetchikovo Estate, Moscow Region, Capital Group
PLC, 2014

City Centre Strategy, Tampere, Finland, 2013

Masterplan Strategy for the Future Development of Upplands Väsby Community,
Stockholm, Sweden, 2011

Strategy for the Future of Midsund Community, Norway, 2009

Masterplan for Cityring Riverside, Bucharest, Charrette 2006

Neighbourhood Regeneration Workshop & Strategy, UKTI, Budapest, 2005

Masterplan Strategy for Kartal, Istanbul, 2005

Neighbourhood Masterplan, Gasiosmanpasha, Istanbul 2005

Gateway to Sunnmøre, urban design and landscape strategy for the future
development of the City of Ålesund & its airport, Sunnmøre Næringsråd, Norway
1999

Brusamband Oslo Fjorden (Bridge Crossing Oslo Fjord), Working Paper, Statens
Vegvesen, Norway, 1990.

Amsterdam Ij Oevers (River Ij Waterfront) - Urban Design Concept Study, Amlyn
& MBO (with Helmut Jahn) the Netherlands, 1987.

RUSSIA – MOSCOW

Moscow River International Competition 2014

Public Realm Strategy for Moscow City Centre, City Government of Moscow,
2013/14

Development Masterplan for Former Brewery Site, Moscow, Capital Group PLC,
2014

Development Masterplan for Moscow City West, Moscow, Capital Group PLC,
2014

Landscape Strategy for Comprehensive Improvement of Orbital Highways
around Moscow, Moscow City Government, Capital Group PLC, 2013

Winning Entry for the design of a new Federal City, New Moscow, Moscow City Government, 2012

Feasibility Study for the Comprehensive Regeneration & Development of Fili Park, Moscow, Moscow City Government, 2011

RUSSIA – NEW MOSCOW

Masterplan Design for New Administrative Centre, New Moscow, State Institute for the Development of Moscow (GenPlan), 2014

Land Use Masterplan for New Moscow North, Masshtab Development Company & Moscow City Company, Moscow Extension Area 2013

Masterplan for New Settlement, Vatutinky, New Moscow, Private Development Consortium, 2013

RUSSIA – MOSCOW REGION

Landscape Masterplan for Kusnetchikovo Estate, Moscow Region, Capital Group PLC, 2014

New Settlement for Zhuhovsky, Moscow Region, Moscow Region Government, 2012

New Settlement Masterplan for Gorshkovo, Moscow Region, RDI Development & Investment, 2008

New Neighbourhood Masterplan for Tarvchevo, Moscow Region, RDI Development & Investment, 2008

New Neighbourhood Masterplan for Vidnoye, Moscow Region, RDI Development & Investment, 2007

Megagarod: A New Town, Moscow Region, RDI Development & Investment, 2007

New Town Masterplan, Sanino, Moscow Region, RDI Development & Investment, 2007

Landscape Masterplan for New Central Park, Razdory, Moscow Region, Parcel Development Consortium, 2007

New Town Land Use Plan & Design Masterplan for Kommunarka District, Masshtab Development Company, Moscow Region, 2007/08

New Neighbourhood Masterplan for Razdory, Moscow Region, Parcel Development Consortium, 2006

Design Statement for Skolkovo New District, Moscow Region, Absolute Bank, 2007

New Neighbourhood Masterplan for Gluhovo, Moscow Region, RDI
Development & Investment, 2005

Regeneration Masterplan & City Expansion Plan for Science City Dubna, Moscow
Region, Dubna City Government, 2006

New Town Masterplan, Pavchino, Moscow Region 2005

New Town Masterplan, Harmonie, Moscow Region 2004

RUSSIA – ST PETERSBURG

New Town Land Use Plan & Design Masterplan, Yuzhnyi , St Petersburg &
Leningrad District, Private Development Consortium, St Petersburg, 2011

New Neighbourhood Masterplan for New Sofia, Private Development
Consortium, St Petersburg, 2008

New Neighbourhood Masterplan for Pushkin, Private Development Consortium,
St Petersburg, 2008

Landscape Survey & Analysis for Bobolovsky Park, Catherine Summer Palace
Complex, UNESCO World Heritage Site, St Petersburg 2011

RUSSIA – THE BLACK SEA COAST

New Neighbourhood Masterplan for Extension Area, Gelenjik, 2008

New Neighbourhood Masterplan for Tourism Area, Naro Fominsk, 2008

New Neighbourhood Masterplan for Tourism Area, Divnamorskoya, Region, 2008

PEOPLES REPUBLIC OF CHINA

Tourism Development Masterplan, Liubu, 2011

Masterplan Development Strategy for Dalian Waterfront, 2011

Masterplan & Slow Movement Strategy for the City of Kunshan, 2011

New Town Land Use Plan & Design Masterplan for Dianshan, 2011

Sungang-Qinshuihe Masterplan, Shenzhen Masterplan 2011

Tourism Development Strategy, Liubu 2011

Masterplan for new settlement, Dong Taihu - East Tai Lake 2011

Masterplan for new settlement, Hainan, 2011

Masterplan for New Watertown, Wuxi, Greentown Development Company, 2011

Land Use Plan & Design Masterplan for Extension to Xinyang City, 2011

Land Use Plan & Design Masterplan for Extension to Qidong, 2010

Landscape Masterplan for the Development of Changzhi Island, Greentown Development Company, 2010 including: Overall Landscape Masterplan, Street Design Manual, Community Park Design, Hydrographic Network, Landscape Design Guides

Masterplan for Development of Cultural Precinct, Tangshan, 2009

New Neighbourhood Masterplan for Baimajian, Suzhou New Corporation, Suzhou, 2009

New Town Land Use Plan & Design Masterplan, Dequing, 2009

New Town Land Use Plan & Design Masterplan, Fuyang, 2009

Tourism Development Masterplan, Tian Tai, Greentown Development Company, 2009

JAPAN

Kawazu European Leisure Village, Amlyn BV, Kawazu Resort Company, the Netherlands & Japan, 1988.

UAE ABU DHABI

Banivas & Wathba Strategic Environmental Assessment, Urban Planning Council, Government of the Emirate of Abu Dhabi, 2009

Shahama & Bahia Strategic Environmental Assessment, Urban Planning Council, Government of the Emirate of Abu Dhabi, 2009

Shahama & Bahia Regeneration Masterplan, Urban Planning Council, Government of the Emirate of Abu Dhabi, 2007

Shahama & Bahia Strategic Plan, Urban Planning Council, Government of the Emirate of Abu Dhabi, 2007

URBAN DESIGN & REGENERATION

Strategic Design Framework and Masterplan for Gateway to Aberdeen and preparation of statement for Main Issues Report of LDF, Development Consortium, Aberdeen, 2010

Strategic Input to Princes Street Public Realm Design Charrette, City of Edinburgh Council, 2009

Strategic Development Framework & Charter for the Future of Cleethorpes, North East Lincolnshire Council, 2009

A Review of the public Realm on Gloucester, Gloucester Heritage Urban Regeneration Company, 2008/09

Preparation of a Strategic Design Framework for West Edinburgh, City of Edinburgh Council, 2008

Public Realm Review of City Centre Manchester, Manchester City Centre Management, 2006

Strategic Development Framework and Spatial Strategy for Western Growth Corridor, Birmingham, City of Birmingham Council, 2006

Masterplan & Design Framework for New Riverside Development, Rotherham, Rotherham Council & Development Consortium, 2006

Urban Design Strategy for Grimsby & Cleethorpes, North East Lincolnshire Council, 2007

Urban Design Strategy and Guidelines for Cuningar Loop and Neighbourhood, South Lanarkshire Council, 2006

Input to Public Realm Strategy for UNESCO City of Bath, North East Somerset Council, 2007 (Bath Placemaking Strategy, 2007)

Preparation of an Urban Design Compendium for Sheffield City Centre, Sheffield City Council, 2005

Urban Design and Development Strategy for Scotland Street/Shalesmoor Neighbourhood, Sheffield City Council, 2004

Housing Design Study, St George Close, Sheffield City Council, 2004

North Ormesby Neighbourhood Regeneration Strategy, Middlesbrough Council, 2002

Sunderland Economic Masterplan & City Centre Strategy, Sunderland City Council, 2009

Energetica Strategy for Aberdeenshire Coast, Aberdeen City & Shire Economic Forum and Councils & Scottish Enterprise, 2008

North Forth Shore Coastal Zone Strategy, Fife Council, 2005

Irvine Bay Regeneration Study, Irvine Bay Urban Regeneration Company, 2005

Feasibility Strategy for future of the Ardeer Peninsula, Development Consortium, 2004

Mapping the Regional Economy of Yorkshire, Yorkshire Forward, 2004

North Lanarkshire Town Centre Strategy, Scottish Enterprise, 2001/02

East Lancashire Spatial Plan, Local Authority Consortium 2001

Strategic Design Advice for Edinburgh Tram System, 2001 – 2005 including: Public Realm Coordination, Assessment & Evaluation of Route Options, Evaluation of Townscape and Landscape Effects, Preparation of a Design

Manual, Management of Strategic Consultations, Preparation of 'Deposit Documentation' for Parliamentary Enquiry, Preparation of Evidence to Parliamentary Committee

Preparation of a Masterplan for the Haymarket Area, City of Edinburgh Council/Transport Initiatives Edinburgh, 2003

Strategy & Masterplan for South Tyneside, South Tyneside Council, 2003/04

Strategic Development Framework for Scunthorpe, Yorkshire Forward, 2003/05

An Economic and Developmental appraisal of the public realm in the International Financial Services District, Glasgow 2002

An Urban Design Compendium for Sheffield City Centre 2002

The Development Potential of the River Clyde Waterfront, Glasgow 2002

A preliminary study of new light rail transport in Edinburgh 2002

A Strategy for Public Spaces in Middlesbrough 2002

A Strategy for the Regeneration of the Community of North Ormesby, in Middlesbrough 2002

A Spatial Plan & Regional Park Strategy for the Cities of East Lancashire 2001

A Review of the Townscape Action Plan, Middlesbrough City Centre

Aberdeen Urban Realm - a strategy for urban form & the public realm , guide to investment for 10 years from 2001, Aberdeen City Centre, 2001

A Housing Strategy for Aberdeen City Centre, Best Practice & Design Guidance, Aberdeen City Centre Partnership 2000

A preliminary study of signing and legibility in Sheffield 2000

A preliminary study of Edinburgh (Granton) and Clydebank Waterfronts 2000

Glasburgh/Clydeforth - a vision for central Scotland as a polycentric city, Central Scotland Countryside Trust 1999

Granton Waterfront, shortlisted proposals in association with Terry Farrel & Partners & Halcrow Fox 1999

Kings Park, Mount Florida - an Urban Design Appraisal of Traffic Management Proposals, Glasgow City Council, 1997.

Queens Park - an Urban Design Appraisal of Traffic Management Proposals, Strathclyde Region, 1996

Dressing the City - a Strategy for Events & Lighting in Central Glasgow, Glasgow City Council, 1995. Preparation of a strategy and conceptual proposals for decorating and lighting the City Centre and West-End.

St Clements, Aberdeen : A Proposal to Recreate a City Centre Neighbourhood, Grampian Enterprise & the Robert Gordon University, 1995.

Glasgow City Centre Public Realm Strategy & Guidelines, Glasgow City Council & Glasgow Development Agency, 1995.

Maryhill Route Action Plan - an Urban Design Appraisal of Traffic Management Proposals, Strathclyde Region, 1995.

Urban Design Appraisal of Traffic Management Options for Glasgow City Centre, Strathclyde Regional Council, 1994.

Dundee City Centre Environmental & Urban Design Strategy, Scottish Enterprise Tayside, Tayside Regional Council and Dundee City Council, 1994.

An Urban Design Methodology for Appraising Traffic Management Proposals, Strathclyde Region, 1994.

Buchanan Street - The Great Street, Glasgow Development Agency, 1993

Preparation of a planning, design and economic strategy for enhancing Buchanan Street as Glasgow's principal urban thoroughfare, Glasgow Development Agency, 1993

Glasgow City Centre & West End: Pedestrian Sign System, Glasgow Tourism Development Group, 1993.

Establishing a Tourism Transport System for Glasgow, Glasgow Tourism Development Group, 1993.

National Gallery of Scottish Art in Glasgow, Scottish Development Agency, 1992

A statement of the artistic, economic and design case for selecting Glasgow as the home of the proposed National Gallery of Scottish Art, The Glasgow bid was successful.

The Glasgow International 1996 - Proposal for a Visual Arts Festival, Glasgow Development Agency, 1992

Approach, Orientation & Arrival - a Strategy for Visitors to Glasgow, Glasgow Development Agency, 1992.

Travelling in Strathclyde - An Integrated Transport Strategy for the Region, Strathclyde Region, 1992.

Environmental Strategy, Glasgow Development Agency 1992.

The Heart of Aberdeen: Vision & Action, an Urban Design and Development - Strategy for Aberdeen City Centre, Aberdeen City Centre Project Team, 1991.

Glasgow - The Buchanan Street Project: The Outdoor Environment - Public Spaces, Glasgow Development Agency 1991.

Glasgow - The Buchanan Street Project : The Outdoor Environment - Lanes, Glasgow Development Agency, 1991.

The Strathclyde Greenbelt Company - Preparation of a Business Plan, KPMG, 1991.

Bold Street & Duke Street, Liverpool - an Urban Design Strategy, Liverpool City Council, 1991.

Provan Redevelopment Strategy - an Environmental & Urban Design Strategy for Reclamation, British Gas, 1991.

Retail Urban Design Guidelines & Development Brief, Renfrew District Council & Renfrew Development Company Ltd 1990

Urban Design Framework for Paisley, Renfrew District Council and the Renfrew Development Company, 1990 Development of an urban design strategy and detailed guidelines for the town centre of Paisley.

Clyde Maritime Concept Plan - a Project for the City of Glasgow where the Kelvin meets the Clyde, Clyde Maritime Development Company, (with Benjamin Thompson Associates, Boston), 1990.

Morrison Street, Edinburgh - a Strategy for Landscape & Urban Space, the Haymarket Consortium (with Sir William Whitfield & Partners), 1990.

Garnethill Glasgow - an Urban Design & Environmental Improvement Strategy, Scottish Development Agency & Glasgow City Council, 1990.

Dundee City Centre Strategy - an Urban Design & Environmental Review, Scottish Development Agency, 1990.

Glasgow City Centre & the Clyde - Continuing the Renaissance, An Action Orientated Urban Design Strategy, Scottish Development Agency & Glasgow City Council (with Dr Gordon Cullen), 1990.

Aberdeen City Centre : Focus on the Future - a Planning & Development Strategy for the City Centre, Scottish Development Agency, 1989.

Paisley Town Centre - A Vision for the Future, Renfrew Development Company Ltd, 1989.

Dundee Waterfront - Design & Development Brief, Scottish Development Agency, 1989.

Dundee City Centre - A Lighting Strategy, Scottish Development Agency, 1989.

St Enochs East Glasgow - an Urban Design & Development Brief, Scottish Development Agency, 1989.

Glasgow Green Urban Park - A Strategy for Renewal, Glasgow District Council & the Scottish Development Agency, 1988, Examination of the economic and planning case for the environmental renewal and development of Glasgow's oldest park on the banks of the River Clyde. Preparation of an indicative masterplan.

Glasgow Green Urban Park - Priorities for Action, Scottish Development Agency & Glasgow City Council, 1988-89.

Economic & Planning Study for a New Clyde Weir, Glasgow Action, (KPMG), 1988.

The Paisley & Renfrew Initiative - Directional Statement, Renfrew Development Company Ltd, 1988

Glasgow Omnimax - Report on an Omnitheatre and Planetarium, Scottish Development Agency, 1985.

The National Garden Festival - the Case for Glasgow, Scottish Development Agency, 1984.

Glasgow Garden Festival & Exhibition - a Feasibility Study, Scottish Development Agency, 1983.

Broad Street, Bridgeton - a Glasgow Eastern Area Renewal Initiative, Scottish Development Agency, 1982

Boden Street, Bridgeton - a Glasgow Eastern Area Renewal Initiative, Scottish Development Agency, 1982.

Park Street, Motherwell - an Industrial Improvement Strategy, Scottish Development Agency, 1982

The River Clyde from Carmyle to Strathclyde Park - an Environmental Strategy, Scottish Development Agency, 1980.

SMALL TOWNS

Town Strategies for Wick & Thurso, Scottish Government & Highland Council, 2013

Strategy and Masterplan for Whitesands Area, Dumfries, Dumfries & Galloway Council, 2012

Strategic Environmental Assessment & Environmental Impact Assessment for Whitesands Strategy, Dumfries & Galloway Council, 2013/15

Townscape Evaluation for Bishopbriggs Town Centre, Morrisons, 2012

Town Strategy & Masterplan, Girvan, The Scottish Government & South Ayrshire Council, 2012

Vision & Masterplan for Berwick-upon-Tweed, Northumberland Strategic Partnership, Northumberland County Council & Berwick Borough Council, 2006

Lochgelly Town Centre Masterplan, Fife Council, 2006

Kingdom Park, Strategic Masterplans for the Expansion of Kirkcaldy including strategic development framework, design briefs and client side evaluation, planning & post-planning strategy, Development Consortium, 2006/14

Dumfries Town Centre Urban Design Strategy, Fife Council, 2005

Strategic Commission for South Lanarkshire Council community expansion areas 2007/08 including: Masterplans for East Kilbride, Hamilton West and Thornton Hall; Strategic Evaluation Peer Review; Evidence to Public Local Enquiry; Residential Design Guide

Kirkcudbright Art Gallery Feasibility Study, Dumfries & Galloway Council & Arts Bodies, 2004

Alexandria Town Centre Masterplan, West Dunbartonshire Council, 2007

Dumfermline Town Centre Strategy, Fife Council, 2003

Feasibility Study, Dunfermline Art Gallery & Museum, Fife Council & the Carnegie Trust, 2004

Masterplan for Muirtown Basin Inverness, Highlands & Islands Enterprise, 2004

Strategy & Charter for the Upper Calder Valley, Yorkshire Forward, 2003

Garioch Life Centre: Feasibility Study for Health Living Centre in Inverurie, Aberdeenshire Council, 2002

Feasibility Study & Options Appraisal for Cove Park, 2003

Barrhead Town Centre Regeneration Strategy, Renfrewshire Enterprise, 2002

Masterplan Strategy for Westerinch Bathgate, Development Consortium, 2003-2004

An urban design and development strategy for the Top of the Town, Kilmarnock 2002

A Strategy for a Healthy Living Centre in Inverurie, Aberdeenshire 2002

A feasibility study for the development of community facilities and pavilions for the Laggan Forest Trust, Newtonmore 2001-02

- An Intervention Strategy for the Towns of Lanarkshire, Scottish Enterprise, 2001
- A Strategy for Town Centre Management for Scottish Enterprise 2001
- An Environmental Strategy for the Improvement of Forfar Town Centre, Scottish Enterprise, 2000
- Preliminary studies of Dumbarton, Campbeltown, Callander and Arbroath 2000
- A preliminary study of pedestrian signing for Arbroath 2000
- Hawick - a strategy for the regeneration of the Commercial Road & Riverside, EDi & Scottish Borders Council 2000
- Ardeer: A Framework for the Future, a strategy for process led regeneration of the Ardeer peninsula, Ayrshire 1999
- Stonehaven - an Urban Design & Landscape Strategy, Aberdeenshire Council & Grampian Enterprise 1999
- An Urban Design Masterplan for Inverurie Town Centre, Aberdeenshire Council & Grampian Enterprise 1999
- Inverurie - an Urban Design & Landscape Strategy, Aberdeenshire Council & Grampian Enterprise 1998
- Barrhead - an Economic Development, Environmental & Urban Design Strategy, Renfrewshire Enterprise & East Renfrewshire Council 1998
- Oudenarde Bridge of Earn : Proposals for a New Settlement, Wimpey Homes, 1996
- Rutherglen - an Urban Design Appraisal of Traffic Management Proposals, Strathclyde Region, 1996
- Montrose Economic & Environmental Prospects, Scottish Enterprise Tayside, 1995.
- St Andrews Transportation & Environmental Strategy, Fife Regional Council & Fife Enterprise, 1994.
- Environmental Enhancement & Development Strategy, Grampian Enterprise 1993.
- Aviemore Urban Design Study, Highland Regional Council & Moray, Badenoch & Strathspey Enterprise, 1993.
- New Lanark World Heritage Site : Development Strategy - Environment & Design, Scottish Development Agency, 1989.

LANDSCAPE PLANNING & ENVIRONMENTAL ASSESSMENT

Route Selection, Landscape & Visual Assessment of Overhead Transmission Lines in Dumfries & Galloway, Scottish Power, 2007

Route Selection, Strategic Environment Evaluation and Scoping of Beauly to Denny 275KV Overhead Transmission Line, Scottish & Southern Energy & Scottish Power, 2003/05

Preparation of a Landscape & Visual Assessment Methodology for Overhead Line Routing, Scottish Power, 2003

Inveraray & Loch Fyne, Wind Energy Development, Planning Enquiry Evidence 2003

Feasibility Study & Environmental Evaluation of Hydro Project, Braevallich, Highland, 2003

Preparation of an Environment Assessment for Eccles Major Grid Sub-station, Scottish Power, 2002

An Suidhe: Wind Energy Development, Planning Enquiry Evidence, 2002

Feasibility Study of Forest Site Infrastructure & Building, Strathmashie, 2001

A preliminary study of the restoration of Balloch Country Park landscapes, National Trust for Scotland, 2001

Preparation of landscape evidence to Scheduled Ancient Monument Inquiry for Castle Tioram, Moidart 2001

Preparation of a disposal strategy for Lennox Castle Hospital, Scottish Enterprise, 2001

Preparation of a disposal strategy for Ladysbridge Hospital Banff 2000

Carrington to Lostock 132kV Transmission Line, Environmental Assessment of the predicted effects. Preparation of visibility analysis, visual assessment and landscape mitigation measures. Preparation of Consultation Document, Preparation of Environmental Assessment. Detailed Route Studies Warburton.

Refurbishment and Rationalisation of the Transmission System in Lanarkshire, ScottishPower, 1997-2000. Environmental Assessment of the predicted effects, Preparation of visibility analysis, visual assessment and landscape mitigation measures for 275kV East Kilbride and 33kV East Kilbride

A Landscape & Visual Assessment of the proposed new settlement of Oudenarde, Perthshire

A Landscape & Visual Assessment of the proposed refurbishment of Castle Tioram, Moidart 1999

The Heart of the Forest, conceptual ideas for the future of the Central Scotland Forest, Central Scotland Countryside Trust 1998

Wind Energy Generation, Helmsdale - Energy Policy & Planning Policy, Renewable Energy Systems & Micon, 1997.

A89-A7066 Road Corridor - A Strategy for Improvement, Lothian & Edinburgh Enterprise, 1997.

A Bridge to Skye - Visual & Landscape Assessment, Highland Regional Council, undated.

Refurbishment and Rationalisation of the 132kV Transmission System in Fife, ScottishPower, 1996, Environmental Assessment of the predicted effects. Preparation of visibility analysis, visual assessment and landscape mitigation measures.

Refurbishment of Rationalisation of the 132kV Transmission System in Fife - Detailed Route Studies, Scottish Power 1996.

Anglo Scottish Interconnection Upgrade to 2200 Megawatts - Eccles 400kV Substation : Environmental Statement, Scottish Power, 1995.

Anglo Scottish Interconnector Upgrade to 2200 Megawatts - Visual Assessment of Kames Substation, Scottish Power, 1995.

Chapelcross Power Station Minerals Assessment, British Nuclear Fuels Ltd, 1994, An assessment of aggregate requirements for the construction of a new baseload electricity generating station. The national, regional and local context was examined and an assessment of demand made.

Chapelcross Power Station Pipeline Impact Study, British Nuclear Fuels Ltd, 1994, An environmental assessment of effects predicted for a series of low activity effluent discharge pipes and a statement of mitigation measures proposed.

Chapelcross Power Station Landuse and Planning Study, British Nuclear Fuels Ltd, 1994. A review of national, regional and local planning policies, legislation and guidance relevant to the construction of a new baseload electricity generating station and associated infrastructure in the south west of Scotland as baseline information for the preparation of a major Environmental Statement under UK and EU legislation.

Chapelcross to Harker - Proposed 400kV Transmission Line, Draft Environmental Statement, BNFL & Scottish Power, 1994.

Sellafield Power Station Landscape & Visual Assessment, British Nuclear Fuels Ltd, 1994. An assessment of visual and landscape issues arising from the development of a proposed baseload electricity generating station on the Cumbrian coast as an input to a major Environmental Statement under UK and EU legislation.

Chapelcross Power Station Landscape & Visual Assessment, British Nuclear Fuels Ltd, 1994. An assessment of visual and landscape issues arising from the development of a proposed baseload electricity generating station on the Dumfriesshire coast as an input to a major Environmental Statement under UK and EU legislation.

Scotland-Northern Ireland Transmission Interconnector - Ecological & Physical Effects associated with Underground Installation of High Tension Power Cable in Visually Sensitive Positions, Strathclyde Regional Council, 1994.

Chapelcross Power Station Agricultural Assessment, British Nuclear Fuels Ltd, 1993, Assessment of effects on agricultural land and practice predicted as a result of the construction of a baseload electricity generating station. Prepared in association with specialists from the Scottish Agricultural College.

Landscape and Visual Study of the Keilder Reservoir, British Nuclear Fuels Ltd, 1993. Assessment of the visual, landscape and recreational effects of increased reservoir drawdown. Preparation of landscape mitigation proposals.

Dalmuir Water Treatment Works - Landscape, Visual and Design Assessment, Strathclyde Regional Council, 1993.

Bridge of Dee, Aberdeen - An Environmental Appraisal of Alternative Crossings, Grampian Regional Council, 1993.

Brusamband Oslo Fjorden (Bridge Crossing Oslo Fjord), Landscape, Visual & Aesthetic Assessment, Statens Vegvesen, Norway, 1990.

A study of the landscape context and visual effects of possible new bridges over the Oslo Fjord, Preparation of landscape analysis, photomontages and video simulation of effects.

Formakin Mill Feasibility Study, The Formakin Trust & Scottish Development Agency, 1987.

Formakin Estate Feasibility Study, Countryside Commission for Scotland et al, 1982.

Dipslope Transmission Line - Visibility, Routeing & Landscape, expert evidence, 1984.

*VI(b): OTHER OUTPUTS
(DESIGN PROJECTS & CONSTRUCTED ARTEFACTS)*

MOSCOW

1. Kusnetzkovo Estate Masterplan & Landscape Design for Country Estate, Moscow Region
2. Rublevka Boulevard Design Project, Moscow
3. Razdory Park, Moscow (Exhibited at RSA 2007 – unrealised)
4. Rublyovo-Arkhangelskoye 2007

CHINA

1. Community Parks, Zhejiang Province

EDINBURGH 2002 – 2010

(Public Realm Projects within the World Heritage Site - see also Awards below)

1. The Grassmarket
2. St Andrew Square – Garden & Café Pavilion (exhibited at RSA 2007)
3. Castle Street
4. Lothian Road
5. Bruntsfield/Morningside Public Realm Improvements

GLASGOW 1995 – 2002

(following on from the Public Realm Strategy published in 1995 – cf Books & Published Works & Awards below)

1. Buchanan Street
2. Royal Exchange Square
3. Nelson Mandela Place
4. Candleriggs
5. St Vincent Place
6. St Enoch Square

ABERDEEN

(following on from the Aberdeen Urban Realm Strategy published in 2001 - cf Commissions & Documented Research)

1. Belmont Street
2. Back Wynd
3. Little Belmont Street & Gaelic Lane

NEWCASTLE-upon-TYNE 1998 – 2003

(following on from the Grainger Town Public Realm Strategy published in 1998 – cf Commissions & Documented Research)

1. Grainger Street
2. Grey Street
3. Theatre Royal
4. Blackett Street
5. Monument Square
6. West Walls

MIDDLESBROUGH 2000 – 2007

1. Central Park (unrealised)
2. Corporation Road
3. Newport Road
4. Linthorpe Road

HALIFAX

1. Piece Hall – Halifax 2012/15
2. Piece Hall Perimeter Sites
3. Piece Hall Library

PAISLEY

(following on from the Paisley Urban Design Strategy & Guidelines published in 1992 – cf Commissions & Documented Research & Awards below)

1. Abbey Close
2. Forbes Place
3. Street Furniture & Artworks

DUMFRIES 2006 – 2014

(following on from the Dumfries Urban Design Strategy in 2006 – cf Commissions & Documented Research)

1. Dumfries - Burns Statue
2. Bank Street Dumfries
3. Annan gateway/public realm improvement
4. Dumfries Town Centre Regeneration Access
5. Dumfries Whitesands Flood Prevention Project
6. Burns Statue Dumfries
7. Whitesands Masterplan Dumfries
8. Dumfries Town Square - Burns Sq Exhibition
9. Dumfries Burns Square
10. Plainstones Gathering Place - Research
11. High Street Dumfries Public Realm
12. Plainstones Regeneration Exhibition
13. Great King Street
14. Plainstones Sketchup Graphic
15. Friar's Vennel

KILMARNOCK 2004

1. Kilmarnock Top of the Town
2. Kilmarnock Central Housing Development
3. Hill Street, Kilmarnock
4. Hotel Development, Kilmarnock
5. Private Garden, Kilmarnock

PEDESTRIAN SIGNING SYSTEMS

1. Strathclyde University
2. Hamilton Town Centre
3. Belfast City Centre
4. Glasgow City Centre 1995 (documented in Gaile Finke's book)
5. Glasgow Garden Festival

OTHER

1. Town Square, Livingston
2. Livingston – Almondale Centre
3. Bervie Braes, Stonehaven
4. Market Place, Inverurie

VI(c): OTHER OUTPUTS (DESIGN AWARDS)

Landscape Institute Awards (2013)

The City in the Forest: Moscow City-Region Plan

Award for Strategic Landscape Planning – Highly Commended

WAN (World Architecture News) Award for Landscape Design (2013)

The City in the Forest: Moscow City-Region Plan and St Andrew Square, Edinburgh finalist

Moscow Capital City Expansion – International Competition (2012)

First prize for the design of the new Capital District Moscow

Scottish Transport Awards (2011)

The Grassmarket, Edinburgh

Award for Excellence in Walking and The Public Realm

Scottish Awards for Quality in Planning (2010)

Award for outstanding performance and quality in development on the ground
Improvement of the public realm in the Grassmarket

Scottish Quality in Planning Awards (2010)

The Grassmarket, Edinburgh

President's Award, Best Landscape Project in the UK (2009)

St Andrew Square, Edinburgh

Landscape Institute

Best Landscape Design under 1ha (2009)

St Andrew Square, Edinburgh

Landscape Institute

Academy of Urbanism Awards (2009)

The Great Street – Grey Street, Newcastle-upon-Tyne

Scottish Planning Award (2009)

Community Growth Area Masterplan Development Frameworks for South
Lanarkshire
Commendation

Scottish Planning Award for quality of work on the ground (2009)

Commendation St Andrew Square, Edinburgh

Civic Trust Awards (2009)

Commendation St Andrew Square, Edinburgh

Civic Trust Awards (2009)

Commendation – St Andrews Square Edinburgh

Scottish Awards for Quality in Planning (2008)

Commendation for outstanding performance and quality in development on the ground St Andrews Square Gardens

Scottish Award for Quality in Planning (2007)

Commendation – Fife Masterplans Handbook

Academy of Urbanism Awards (2007)

The Great Neighbourhood – Grainger Town, Newcastle
The Great Street – Buchanan Street, Glasgow

The Congress for New Urbanism – Charter Awards (2004)

Award for excellence in the public realm in two historic city centres
Glasgow and Newcastle

Europa Nostra Awards (2004)

European Union Prize for Cultural Heritage
The Grainger Town Regeneration Project

The Royal Town Planning Institute Awards (2003)

The Silver Jubilee Cup – Supreme Award
The Grainger Town Regeneration Project, Newcastle

Street Design Awards (2003)

Newport and Corporation Road Middlesborough
Pedestrian Environment Award

Dynamic Place Awards Glasgow (2001)

City Centre Public Realm Project
Highly Commended

Environmental Regeneration Awards (1999)

Fishcross Primary School Garden
Commendation

Environmental Regeneration Award (1998)

Abbey Close Paisley
Highly Commended

Environmental Regeneration Awards (1998)

Royal Exchange Square and Candleriggs environmental improvement Supreme Award

National Lighting Design Awards (1998)

Royal Exchange Square
Highly Commended

The Landscape Institute (1997)

Award for outstanding achievement in the category of planning
Public Realm Strategy and Guidelines for Streets and Spaces in Glasgow City Centre

The Royal Town Planning Institute Awards for Planning Achievement Silver Jubilee Cup (1996)

Glasgow Cathedral Precinct

City Centre Public Realm Strategy & Demonstration Projects for Royal Exchange Square and Candleriggs

Saltire Society Civil Engineering Award

The Inst. of Civil Engineers (1996)

Royal Exchange Square Glasgow

Commendation

The Natural Stone Awards (1997)

Royal Exchange Square Glasgow

Commendation

VI(d): OTHER OUTPUTS (DESIGN COMPETITIONS)

Shengzhou South City Core Masterplan – 2016

With JTP London, Shengzhou, PRC. Winning entry

International Competition for Re-design of the Sofia Embankment – 2015

City of Moscow Government and the Capital Group, Jury Member,

River Moscow International Design Competition – 2014

with *Project Meganom*, Moscow. Winning entry.

George Square International Competition – 2013

with James Corner Field Operations. Finalist

International Design Competition for Moscow City Expansion – 2012

Moscow & Moscow Region

Winner of the design for the New Federal City as part of the Capital Cities Planning Group (Urban Design Associates, Pittsburgh-USA; Beasley Associates Vancouver-Canada; Gillespies, Glasgow-UK; John Thompson & Partners, London-UK; Nelson\Nygaard, San Francisco-USA, Buro Happold, Glasgow-UK; Stuart Gulliver – Glasgow-UK; Group Ark, Moscow-Russia)

Documented in: Большая Москва, Greater Moscow, *Проект Россия*, *Project Russia*, Issue No66, Theme issue of the Bi-lingual Magazine devoted to coverage of the Greater Moscow Colloquium and Competition 2012, The Capital Cities Planning Group Entry is covered on pages 89-104

Suzhou Ecotown, Suzhou, PRC – 2011

Winner of the International Competition: John Thompson & Partners – London; Gillespies – Glasgow

Sungang-Qinshuihe, Shenzhen, PRC – 2010

International Competition (3rd place)

Pingshan Ecotown, Shenzhen, PRC – 2010

International Competition (3rd place)

Hartlepool Seafront – 2004

Limited Design Competition, Finalists

Middlesbrough Art Gallery & Public Square – 2002

International Architecture Competition

Preparation of the brief & coordination of the technical assessment

Middlesbrough Public Realm – 2000

director of winning team with Jan Gehl, Royal Academy, Copenhagen.

New Housing Development – 2001

Grampian Housing Association, Limited Architectural Competition, Judge

Buchanan Street International Design Competition Glasgow – 1997

Winner Gillespies – Glasgow and Martorell Bohigas & Mackay – Barcelona

Inside Randstad Holland

Designing the Inner Fringes of Green Heart Metropolis – 1995

International Open Competition, Eo Wijers Stichting, Judge

The Glasgow Tower – 1997

international competition for a new tower for Glasgow City Centre

Preparation of the brief & coordination of the technical assessment.

St.Hellier Waterfront Competition – 1991

Finalists with Gillespies – Glasgow; Arup – Glasgow

Glasgow Garden Festival – 1988

Technical assessment & brief writing for 5 national competitions: Landscape Architecture - theme sector; Architecture - suite of entrance buildings, shelters & cafés; Architecture - buildings for High Street commercial area; Engineering - River Clyde & Dock Basin pedestrian bridges; Horticulture - garden designs.

*VI(e): CONSULTATIVE DESIGN PROJECTS
(DESIGN CHARRETTES & COMMUNITY ENGAGEMENT)*

Scotland:

1. Wick – 2013
2. Thurso – 2013
3. Dumfries – 2012
4. Girvan – 2012
5. Energetica, Aberdeenshire – 2008
6. Grassmarket – 2009
7. Castle Street, Edinburgh – 2001
8. Urban Realm, Aberdeen – 2000

England:

1. Western Growth Corridor, Birmingham – 2008
2. Mixed Use masterplan, Rotherham – 2006
3. Berwick-upon-Tweed – 2006
4. Urban Design Compendium, Sheffield – 2003
5. Upper Calder Valley – 2003
6. Otwn Vision & Strategy, Scunthorpe – 2003
7. East Lancashire – 2001
8. Newcastle Grainger Town 2000-2001
9. Middlesbrough – as 2001

Scandinavia:

1. Midsund, Norway – 2009
2. Sunnmøre, Norway – 1990
3. Visby, Gotland, Sweden – 2014
4. Upplands-Väsby, Stockholm, Sweden – 2011
5. City Centre, Tampere – 2013

Other European Locations:

1. Bucharest , Romania – 2006
2. Budapest, Hungary – 2005)
3. Istanbul, Turkey, 2 Charrettes – 2005

Russian Federation:

1. Moscow City Brewery – 2014
2. Moscow City West – 2014
3. New Moscow Administrative Centre – 2014
4. Public Realm, Moscow City Centre – 2013
5. Presnensky District, New Moscow – 2013
6. New Moscow Land Use Plan – 2013
7. Rublevka Boulevard Moscow– 2013
8. Vatutinki New Settlement– 2013
9. Zhukovsky New Settlement – 2012
10. Moscow Agglomeration, 6 Workshops – 2012
11. Fili Park, Moscow– 2011
12. Tarychevo, Moscow – 2008
13. Gorskovo, Moscow Region x 2 – 2008

14. Sanino, Moscow Region – 2007
15. Megagorod, Moscow Region – 2007
16. Razdory Park, Razdory, Moscow Region – 2007
17. Vidnoya, Moscow Region – 2007
18. Kommunarka, Moscow Region, 2 Charrettes – 2007
19. Razdory, 2 Charrettes – 2006; Pavchino 2005; Harmonie 2004
20. Yuznyi, St Petersburg, 2 charrettes – 2010
21. Bobolovsky Park, St Petersburg – 2010
22. New Sofia, St Petersburg – 2008
23. Puskin, St Petersburg – 2007
24. Divnamorskoye, Black Sea Coast – 2008
25. Gelendjik, Black Sea Coast – 2008)

Peoples Republic of China:

1. Dianshan – 2011
2. East Tai Lake [Dong Tai Hu] – 2011
3. Suzhou Ecotown – 2011
4. Wuxi – 2011
5. Xinyang – 2011

United Arab Emirates:

1. Shahama & Bahia Strategic Plan, Revitalisation Masterplan & Development Regulations, Abu Dhabi, 4 charettes – 2008

United States:

1. Pittsburgh, Pennsylvania, 2 charrettes– 2012

VI(f): OTHER OUTPUTS (EXHIBITIONS)

Moscow City Expansion 2012

Moscow & Moscow Region

Venue – Manazh International Architectural Biennale

Venue – Gorki Park

Client: Moscow City Government

The Future of the City Centre 2002

Aberdeen Urban Realm Strategy

Venue – Aberdeen Art Gallery

Client: Aberdeen City Centre Partnership

Gateway to Sunnmøre 1999

Venue - Ålesund, Norway

Client: Sunnmøre Næringsråd

Tay Street Improvements 1999

Client: Perth and Kinross Council

Urban Transportation – The Future 1999

Venue - Transport Museum, Glasgow

Client: GCC Land Services

ScottishPower Public Consultation Exhibitions 1998-1999

Carrington to Lostock

Dunfermline to Fife

Venue - public libraries, Cheshire & Fife

Client: ScottishPower, Manweb

Bilingualism in Business 1997

Venue - EU offices Brussels & travelling throughout the EU

Client: Comunn na Gàidhlig

Inverurie – A Strategy for the Future 1997

Venue - Aberdeenshire Council offices

Client: Aberdeenshire Council, Grampian Enterprise

Regional Planning – The Inheritance of Geddes and Abercrombie 1996

Venue - Hilton Hotel, Glasgow

Client: METREX - the network of metropolitan regions

Glasgow City Centre Public Realm Strategy

Public Consultation Exhibitions 1995–97 & 1999

Candleriggs

Royal Exchange Square

Buchanan Street

Venue - City Chambers, Gallery of Modern Art & The Lighthouse, Glasgow

Client: SRC Roads

Glasgow City Centre Public Realm Strategy – Lighthouse Exhibition 1994

Venue - Glasgow City Chambers

Client: SRC Roads

Oudenarde – A New Settlement for Bridge of Earn 1996

Venue - Perth Town Hall

Client: Wimpey Homes

Route Action Plans 1995-96

Maryhill Road Route Action Plans – Public Consultation Exhibition

Kings Park & Mount Florida Route Action Plans – Public Consultation Exhibition

Queen's Park Area Route Action Plans – Public Consultation Exhibition

Venue - public library and city offices, Glasgow

Client: City of Glasgow Council and Strathclyde Transport

Glasgow City Centre Millennium Plan – Public Consultation Exhibition

Venue - Glasgow City Chambers, University of Glasgow

Client: SRC Roads, 1995

Cities 95 Exhibition 1995

Venue - Royal Town Planning Institute conference, 1995

Client: RTPI et al

Strathclyde Tram – Public Consultation Exhibition 1994

Venue - Glasgow City Chambers

Client: Strathclyde Passenger Transport Executive

Travelling in Strathclyde 1993

Venue - Strathclyde Regional Council Headquarters

Client: Strathclyde Regional Council

Dundee City Centre – Public Consultation Exhibition 1993

Venue - City library and art galleries

Client: Scottish Enterprise Tayside

A96 Kintore Bypass – Public Consultation Exhibition 1993

Venue - Scottish Office Headquarters

Client: Scottish Office Roads Directorate

Merthyr Tydfil - A Vision for the Future 1993

Venue - WDA offices & locations in Merthyr Tydfil

Client: Welsh Development Agency

Dear Green Place - A Question of Equilibrium 1992

UK Pavilion, 18 International Triennale di Milano

Venue - Palazzo dell'Arte, Milan

Client: Foreign and Commonwealth Office

UK contribution to EU exhibit 1990

International Garden & Greenery Expo

Venue - EU pavilion, Osaka Expo, Client: EU

VI(g): OTHER OUTPUTS (VIDEOS)

Co-curator, **Moscow River Future Ports**, short film produced for the Meganim-Gillespies Consortium, directed by Yuri Gregorian, Project Meganom, Moscow, 2013.

Co-curator, **Zhukovsky Masterplan Charette** Moscow, short film produced for JTP-Gillespies Consortium, directed by Alkis Tsavaris, JTP Architects, Masterplanners, Urbanists, London, 2011.

Co-curator, **Vatutinki Masterplan Charette** Moscow short film produced for JTP-Gillespies Consortium, directed by Alkis Tsavaris, JTP Architects, Masterplanners, Urbanists, London, 2012.

Co-curator, **Suzhou Eco-town**, Suzhou, China, short film produced for JTP-Gillespies Consortium, directed by Alkis Tsavaris, JTP Architects, Masterplanners, Urbanists, London, 2012.

Co-curator, **Pingshan Eco-town**, Shenzhen, China, short film produced for JTP-Gillespies-Eble Consortium, directed by Alkis Tsavaris, JTP Architects, Masterplanners, Urbanists, London, 2009.

Bridge Crossing of the Oslo Fjord, Computer generated Video Simulation of Alternative Bridge Crossings of the Oslo Fjord for the Norwegian National Roads Administration

Chapelcross Power Station Development, Computer generated Video Simulation of Alternative Development Options for Chapelcross Power Station for BNFL and Dumfries & Galloway Council

*VI(h): OTHER OUTPUTS
(EXPERT EVIDENCE –
PUBLIC & PARLIAMENTARY ENQUIRIES)*

Anstruther Fife, Urban Design Evidence, Local Public Enquiry under Planning Legislation, 2009

South Lanarkshire Community Extension areas, Urban Design Evidence, Local Public Enquiry under Planning Legislation, 2008

Edinburgh Tram System, Urban Design Evidence, Scottish Parliamentary Enquiry by Committee into Draft Bills before parliament, 2005

An Suidhe – Wind Energy Development, Landscape Planning Evidence, Local Public Enquiry under Planning Legislation, 2002

Castle Tioram, Landscape Evidence, Local Public Enquiry under Ancient Monument Legislation, 2001

South of Scotland Electricity Transmission Network, Landscape & Planning Evidence, Local Public Enquiry under Electricity Legislation, 1981

