

The Natural City – Part 1 of 2

General introduction

2 The Natural City International Symposium, Toronto, 23-25 June, 2004: Summary of Daily Program

Part 1: Canadian issues of international relevance

7 The editor's page

P. Psomopoulos

An initiative towards dismantling the broad concept of ekistics of balanced relations between nature and the other four elements of human settlements, i.e. Anthropos, Society, Shells and Networks.

8 Envisioning the natural city: The guest-editor's foreword

Ingrid Leman Stefanovic

The contents of this volume "is only the beginning of a conversation that, we hope, will continue as we jointly seek to better understand the full breadth and depth of how to transform our human settlements into spaces that respect the moral laws of nature in all their complexity."

11 A contract with our future: A keynote address

Robert F. Kennedy, Jr.

"Environmentalists are injecting the long view, the trustee obligation, into the political process."

15 Cities are successful because they are civic: The 2004 C.A. Doxiadis Lecture: David Crombie

The public realm, place and community, the value of a marketplace and economic opportunity, and relationship with nature – The four organizing components of civic culture: The case of Toronto.

20 Evolving cities into a sustaining and sustainable habitat

Willem H. Vanderburg

"To create a knowledge infrastructure capable of guiding the evolution of the urban habitat toward livable and sustainable cities requires the introduction of a preventive orientation into each and every relevant area of specialization [which], in turn, will lead to beneficial synergistic effects between" them.

26 Urban sustainability and public awareness: The role of the National Round Table on the Environment and the Economy in Canada

Edwin Charles Aquilina

Working closely "with the full range of partners and stakeholders [in] building public engagement with the sustainable future of which the natural city is one important part."

30 Toward the green city through revitalizing major obsolescent urban lands

Ken Greenberg

Five projects of urban regeneration centers near water sites made available by the long, slow, and inevitable process of industrial retreat.

35 The growing role of citizen engagement in urban naturalization: The case of Canada

Stewart Chisholm

Recording activity since 1991, assessing results and suggesting principles for future action by "Evergreen" – a national, non-profit environmental organization "that brings communities and nature together for the benefit of both."

45 Downsview Park, Toronto: A part of the natural city of the 21st century

Tony Genco

The early stages in the process of implementing "a winning formula for the creation of an urban park ... and a leading edge sustainable community to realize the potential and opportunity of building a natural city."

52 The price of sprawl in Ontario, Canada

Ray Rivers

Adding "a positive tax to land converted from farm use to urban sprawl [and/or] promoting inner city development by requiring the purchase of sprawl offsets ... might ... assist in re-balancing the market place for development land."

57 Is Smart Growth a smart adaptation strategy? Examining Ontario's proposed growth under climate change

Brad Bass

"A strategy to increase urban vegetation will confer many benefits that are currently inadequately addressed" and will also reinforce those elements "that reduce ... vulnerability to climate change": A critical assessment of current regional planning initiatives.

- 63 Financial incentives for behavioral change in the ecological city** *Rodney R. White*
Assessing “the implications of climate change for water availability and the potential for the application of urban environmental finance ... to the three main physical throughputs of water, energy and solid waste.”
- 68 The environmental costs of femininity** *Carly Bowman*
A review of health and environmental risks deriving from cosmetics and related industry – and a call for women citizens to “to lobby government for a more inclusive regulatory regime.”
- 76 The Urban Cliff Hypothesis and its relevance to ekistics**
Doug W. Larson, Uta Matthes, Peter E. Kelly, Jeremy Lundholm and John A. Gerrath
If “our attitudes and feelings about the built environment have ancient evolutionary roots” and the flora and fauna of our landscapes are “largely rock outcrop species ...”, then it becomes possible to ... create both efficient and comforting environments.”
- 84 Ecology in the natural city: Testing and applying the Urban Cliff Hypothesis** *Jeremy Lundholm*
“The acknowledgment that cities may be functionally ‘natural’ to non-human organisms may yield tangible benefits as well as provide a strong foundation for revitalizing our conceptions of urban places.”
- 90 Green Buildings Policy: An analysis of three market-oriented innovations** *Jesse Zuker*
The assessment of the quantitative and qualitative impacts of each of “three innovative applications that address the barriers to sustainability in the design, construction and real estate sector ... developed in the USA [if coupled with] a review of European, Japanese and Australian initiatives, ... [could] provide an in-depth understanding of the best instruments that could be applied in Ontario.”
- 102 The use of wood for construction and energy in the natural city – The case of Canada**
Gundolf Kohlmaier
As part of Canada’s commitment to contribute through its cities to climate protection, its “forest ... industry could expand its wooden home exports considerably by designing low energy and high-tech houses, while providing their wastes for heating systems.”
- 113 Housing in the natural city: The role of prefabrication** *M.T. Gorgolewski*
The huge potential towards a more sustainable supply of houses through “providing products appropriate to local culture and climate, yet based on industrial efficiency, and the latest technology.”
- 118 The Oak Ridges Moraine: A story of nature in the Greater Toronto Urban Region**
David Lewis Stein
“... the conflicts that come with trying to preserve green space in an expanding metropolis.”
- 123 Lake Ontario’s Waterfront : Realizing a decade of regeneration** *Suzanne Barrett*
Assessment of multiple initiatives by the Toronto Waterfront Regeneration Trust and Identification of essential ingredients for continuous successful regeneration in the decade 2000-2010.
- 126 Lake Ontario Waterfront: Update since “A Decade of Regeneration ...”** *Marlaine Koehler*
Recording the successful efforts of a private local partnership initiative to complete, enhance and promote the implementation of an originally provincial environment program.
- 133 Organizing political support for the natural city** *Preston Manning*
Five concrete policy proposals in an Agenda for Change and three concrete strategic suggestions for effective action towards the realization of the natural city.
- 135 Building on success in Mississauga, Ontario** *Hazel McCallion*
A City “needs the support of the entire community to make ideas and initiatives possible”: The long success story of Canada’s sixth largest city.
- 138 Federal-provincial governance and the future status of Canadian cities** *Frank Smallwood*
To counteract federal and provincial governments restricting policies, local governments should launch advocacy campaigns to strengthen their decisions and fiscal capacity through the Federation of Canadian Municipalities and forge alliances with urban businesses, the media and environmental groups.
- 145 Ekistic grid index**

Cover: Early human occupation sites along the upper reaches of the Danube River and its tributaries in southern Germany (Source: Larson et al., “The Urban Cliff Hypothesis and its relevance to ekistics,” p. 79).

The papers in this triple issue – the first of two triple issues of vol. 71 on the general subject “The natural city” – were solicited and edited by Ingrid Leman Stefanovic, guest-editor for this volume. The University of Toronto’s undergraduate student, Eugene Berezovsky, and recent graduates Amanda Hickling and Hiromi Inokuchi, provided editorial and administrative assistance to Professor Stefanovic. P. Psomopoulos undertook the compiling and final editing of the whole in consultation with the guest-editor and some of the authors. R.J. Rooke provided editorial assistance, Alex Freme-Sklirou proofread the texts, Niki Choleva was responsible for typesetting and graphics, and Despina Moutsatsou for the final dummy from a maquette by the editor.