

EKISTICS
OIKISTIKH

VOL. 69, NO. 412/413/414, JAN./FEB.-MAR./APR.-MAY/JUNE 2002

the problems and science of
**HUMAN
SETTLEMENTS**

TRIPLE ISSUE

WSE

2001 MEETINGS

B E R L I N

OCTOBER 24 to 28

**Defining Success of the City
in the 21st Century — 1 of 2**

ΕΚΙΣΤΙΚS: the problems and science of HUMAN SETTLEMENTS

Founders:

C.A. Doxiadis
Jaqueline Tyrwhitt

Editor:

Panayis Psomopoulos

Assistant Editor:

R.J. Rooke

Assistants to the Editor:

Alex Freme-Skliros

Alex Courpa

Circulation Manager:

Myro Connou

Accountant:

Dimitris Samoglou

Editorial Advisory Board:

Apostolos C. Doxiadis (Chairman),
Panayis Psomopoulos (Vice-Chairman),
Serge Antoine, Edmund N. Bacon,
Jai R. Bhalla, Alexander N. Christakis,
Gerald B. Dix, Laila S. El-Hamamsy,
Charles M. Haar, Declan Kennedy,
Richard L. Meier, Earl Finbar Murphy.

Publisher:

Athens Center of Ekistics of the
Athens Technological Organization
24 Strat. Syndesmou Street
106 73 Athens, Greece
Tel.: +30-210-3623216 and +30-210-3623373
Fax: +30-210-3629337
e-mail: ekistics@otenet.gr

Data Processing:

DELTA Singular, SA
17 Rogakou Street
106 72 Athens, Greece
Tel.: +30-210-3397200
Fax: +30-210-3632761
e-mail: info@deltasingular.gr

Typesetting:

Chryssa Efstratiadou
23 Amerikis Street
106 72 Athens, Greece
Tel.: +30-210-3642600
e-mail: nikon@ath.forthnet.gr

Printer:

ECTYPON, Ltd
67 Patriarchou Grigoriou V Street
176 76 Athens, Greece
Tel.: +30-210-9565256

Subscriptions:

Six issues a year – US\$100 (or equivalent in transferable currency) per year.
Payment through bank or personal cheque to
Athens Technological Organization
or Ekistics or Athens Center of Ekistics
24 Strat. Syndesmou Street
106 73 Athens, Greece

Εκδότης-Ιδιοκτήτης:

Αθηναϊκός Τεχνολογικός Όμιλος, Σ.Α.
Στρατιωτικού Συνδέσμου 24
106 73 Αθήνα

Διευθυντής Συντάξεως:

Παναγής Ψωμόπουλος
Ιπποδάμου 19
116 35 Αθήνα
Τηλ.: 210-7511006

Εκτύπωση:

ΕΚΤΥΠΟΝ Μονοπρόσωπη ΕΠΕ
Πατριάρχου Γρηγορίου Ε' 67
176 76 Αθήνα
Τηλ./Φαξ: 210-9565256

Υπεύθυνος Τυπογραφείου: Ιωάννης Καστέλης
Κάλβου 41
114 74 Αθήνα
Τηλ.: 210-6466884

Τιμή τεύχους: € 16.00

Printed in Greece
GR ISSN 0013-2942

Ιανουάριος/Φεβρουάριος - Μάρτιος/Απρίλιος - Μάιος/Ιούνιος 2002

The Athens Technological Organization (ATO)

The Athens Technological Organization (ATO) is a non-profit organization established in 1958 to further technology and scientific research on any subject which can contribute to the improvement of human living conditions, technical and economic development and the training of people capable of pursuing these purposes.

Athens Center of Ekistics (ACE)

Upon its establishment in 1958, ATO started ekistic research and educational programs and later on in 1963 established the Athens Center of Ekistics (ACE) to foster a concerted program of research, education, documentation, and international cooperation related to the art and science concerned with the development of human settlements. In the domain of documentation in addition to its library, ACE publishes the following two journals:

- Ekistics, the Problems and Science of Human Settlements, and
- The Ekistic Index of Periodicals, as well as
- A series of research reports and monographs documenting its following four major research projects:
 - "The City of the Future"
 - "The Capital of Greece"
 - "The Human Community"
 - "The Ancient Greek Cities"

Since 1965 ATO-ACE have hosted on their premises the Headquarters and Secretariat of the World Society for Ekistics (WSE), an independent organization, whose goals and objectives are compatible with those of ACE.

World Society for Ekistics (WSE)

The Society – an international nongovernmental organization (NGO) in consultative status with the United Nations (ECOSOC) – is a nonpolitical and nonreligious body with limited membership, formed to study man's patterns of living and their physical expression in the past, present, and future. The aims and objectives of the Society are:

- To promote the development of knowledge and ideas concerning human settlements by research and through publications, conferences, etc.;
- To encourage the development and expansion of education in ekistics;
- To educate public opinion concerning ekistics, thus stimulating worldwide interest and cooperation;
- To recognize the benefits and the necessity of an interdisciplinary approach to the needs of human settlements, and to promote and emphasize such an approach.

WSE Executive Council (1 April, 2002 to 31 March, 2004)*

President: Alexander B. Leman (Canada)

Vice-Presidents (*in alphabetical order*): Christopher C. Benninger (India), William Doebele (USA), Thomas W. Fookes (New Zealand), Mit Mitropoulos (Greece).

Secretary-General/Treasurer: Panayis Psomopoulos (Greece).

Members (*in alphabetical order*): Margery al Chalabi (USA), Charles M. Collins (USA), Takashi Doi (Japan), Jurg Lang (USA), Margaret B. Lowe (USA), John Reid (Ireland), Udo E. Simonis (ex-officio as immediate past President – Germany).

*The President and all other members of the Executive Council are elected by the General Assembly of members for a two-year term.

For further information on WSE, consult www.Ekistics.org

This Publication
is available in Microform.

ProQuest
300 North Zeeb Road
P.O. Box 1346
Ann Arbor, MI 48106-1346, USA

EKISTICS
ΟΙΚΙΣΤΙΚΗ

VOL. 69, NO. 412/413/414, JAN./FEB.-MAR./APR.-MAY/JUNE 2002

the problems and science of
**HUMAN
SETTLEMENTS**

TRIPLE ISSUE

**Defining Success of the City
in the 21st Century — 1 of 2**

Defining Success of the City in the 21st Century – 1 of 2

4 The anthropocosmos model

5 The editor's page

The 2001 WSE Meetings, Berlin, 24-28 October

7 Program

8 Participants

I. Executive Council Meeting

II. The C.A. Doxiadis Lecture

10 Knowledge and interdisciplinarity as socio-cultural uncertainties

Demosthenes Agrafiotis

III. Symposium: Defining Success of the City in the 21st Century

19 Daily Program

Part 1: Introduction

22 Success of the City in the 21st Century: An introduction to the 2001 Symposium

Udo E. Simonis

26 Whither 21st century urban civilization: Dystopia or utopia?

Koichi Tonuma

31 Cities and energy: The sustainability (r)evolution

Voula Mega

41 Venice: Myths of the past in cities of the present and in the age of the media

Calogero Muscarà

52 Urbanizing regions in China's Yangtze Basin

Edward Leman

60 Principles of intelligent urbanism: The case of the new Capital Plan for Bhutan

Christopher Charles Benninger

82 Re-establishing a capital city

Hans Stimmann

Part 2: Nature

86 Ownership and command over resources in the Sahel town of Abéché

Jürgen Oestereich

94 Changing urban policies towards sustainability in the Mediterranean

Serge Antoine

103 Towards ecological urban restructuring: A challenging new eco-cultural approach

Ekhart Hahn

116 Development of Kachchh, after the devastating earthquake in Gujarat

Akhtar Chauhan

Part 3: Anthropolos

120 Success for whom? The place of people in 21st century cities

William Michelson

123 The good, the bad and the evil Athens: Quality of life in cities

Bjørn Røe

131 Disabled people in disabling settlements

Panayis Psomopoulos

Part 4: Society

140 Planning and development of rural and semi-urban settlements

Laila Shukry El Hamamsy

142 Social sustainability of large cities

György Enyedi

145 The role of neighborhoods in the success of cities

Amos Rapoport

152 The transparency syndrome in global change: A sociological concept paper

Burkart and Leslie Holzner

163 Population deconcentration in Italy, Spain and Greece: A first comparison

Petros Petsimeris

173 Ekistic grid index

The papers in this issue are selected from documents presented – or made available to participants – at the conference "Defining Success of the City in the 21st Century," Berlin, 24-28 October, 2001, which took place on the premises of the Wissenschaftszentrum Berlin (Science Center Berlin) at the invitation of Professor Udo E. Simonis, President of the World Society for Ekistics. In most cases papers were edited by P. Psomopoulos following consultation with the authors whenever possible and in collaboration with R.J. Rooke, Assistant Editor. Alex Freme-Skiros proofread the texts and Niki Choleva was responsible for typesetting and graphics.

Defining Success of the City in the 21st Century – 2 of 2

180 The anthropocosmos model

181 The editor's page

The 2001 WSE Meetings, Berlin, 24-28 October

III. Symposium: Defining Success of the City in the 21st Century (cont'd)

Part 5: Shells`

184 Areas of cultural and ecological re-equilibrium in human settlements

Rita Colantonio Venturelli

189 Urban intensification in New Zealand

Barry Rae

192 A future for the historical city of Hikone

Takashi Doi

202 Integration of the former Panama Canal Zone into Metro Panama City

Alvaro Uribe

209 A future for Athens

Alexander Papageorgiou-Venetas

Part 6: Networks

221 The oil-based technology and economy: Prospects for the future

Klaus Illum

227 Groundwater in relation to fractured till

Earl Finbar Murphy, Julie Weatherington-Rice, Ann D. Christy and Ava Hottmann

234 Shifting from physical to electronic space: The making of the electronic Ecumenopolis

Mit Mitropoulos

243 The economic impact of a major airport

Margery al Chalabi

250 A comprehensive planning framework for the National Aviation System, USA

Suhail al Chalabi

259 Inland freight transport scenarios for Europe in 2020

G.A. Giannopoulos

275 A Pan-European, competitive public transport system

Kjell Dahlström

Part 7: Education and Research

279 Sciences of human settlements: Searching for the theory and practice

Wu Liangyong

285 The need for a contribution of ekistics to planning education and research

Thomas W. Fookes

288 Maungarei-o-Tamaki in 2050 – A town within a city

David Johns, Ian Munro, Aimee Redknap and Sarah Ricketts

290 Public affective appraisal for urban design of the CBD of Nairobi

Francis M. Mburu

Part 8: Synthesis

292 To sustainability through interdisciplinary planning: A planner's perspective

Jerzy Kozlowski

304 The Lake Ontario Waterfront Trail, Canada: Integrating natural and built environments

Ingrid Leman Stefanovic

317 Doxiadis and the ideal dynapolis: The limitations of planned axial urban growth

Ray Bromley

331 Urban and rural areas as defined by population density in Japan

Haruhiko Goto

333 Sustainable development, international cooperation and local authorities

Ruşen Keleş

337 The future of the Basque Homeland: An ekistic approach

Lawrence D. Mann

345 What could be considered a successful city of tomorrow

Vassilis Sgoutas

Part 9: Conclusions

348 Success of the city in the 21st century: Some thoughts arising from presentations

Thomas W. Fookes

349 Success of the city in the 21st century: Identifying priorities for further WSE work

Panayis Psomopoulos

IV. General Assembly

352 Ekistic grid index

356 Cumulative Index of Contents of EKISTICS, January-December 2002 (Vol. 69)

The papers in this issue are selected from documents presented – or made available to participants – at the conference "Defining Success of the City in the 21st Century," Berlin, 24-28 October, 2001, which took place on the premises of the Wissenschaftszentrum Berlin (Science Center Berlin) at the invitation of Professor Udo E. Simonis, President of the World Society for Ekistics. In most cases papers were edited by P. Psomopoulos following consultation with the authors whenever possible and in collaboration with R.J. Rooke, Assistant Editor. Alex Freme-Skiros proofread the texts and Niki Choleva was responsible for typesetting and graphics.