



Programme

The topics of the Symposium will be addressed in separate sessions, featuring leading Finnish and international scientists and experts as invited speakers. The poster session of the Symposium is open to anyone interested in presenting research related to the topics.

Monday 8 December 2003

- 10.00-10.15 **Opening of the symposium**
Felix Björklund, Chairman of the Board,
Maj and Tor Nessling Foundation
- 10.15-10.30 **Urban environmental issues today and in the future**
Prime Minister, Minister of the Environment or
Mayor of the City of Helsinki
- Session A. The diversity of urban environmental problems, chairman
professor Jari Niemelä*
- 10.30-11.00 **Urban environmental issues: an integrated view**
prof. Mark McDonnell
The Australian Research Centre for Urban Ecology, Australia
- 11.00-11.30 **Coffee**
- 11.30-12.00 **Urban air quality**
Researcher Päivi Aarnio, National Public Health Institute
- 12.00-12.30 **Fine particles in urban atmosphere: connection between
outdoor and indoor air quality**
prof. Kaarle Hämeri, University of Helsinki
- 12.30-13.00 **The long waves: History of pollution studies in the sea area
of Helsinki over the 20th century**
dr. Simo Laakkonen, University of Helsinki
- 13.00-14.00 **Lunch**
- 14.00-14.30 **Urban soil pollution: consequences for areal planning
and environmental health**
dr. Rolf Ottesen, Geological Survey of Norway, Norway
- 14.30-15.00 **Environmental Noise**
Senior Technical Adviser Leena Silfverberg
Ministry of the Environment
- 15.00-15.30 **Urban waste management**
Director of Development Services Jukka Paavilainen
YTV Helsinki Metropolitan Area Council
- 15.30-16.00 **Coffee**
- 16.00-17.00 **Group discussions (partly in Finnish, if needed)**
- 17.00-17.30 **Reporting of group discussions**
- 17.30-18.30 **Poster session**
- 19.00 **Dinner**

Tuesday 9 December 2003

Session B. Green space and human space in urban areas, chairman professor Peter Clark

- 9.00-9.30 **Urban environmental history: What lessons
are there to be learned?**
prof. Dieter Schott, University of Leicester, UK
- 9.30-10.00 **Patterns and processes in urban ecosystems**
prof. Thomas Elmqvist, Stockholm University, Sweden
- 10.00-10.30 **Ecological and aesthetic values in the management
of urban forests and green space**
dr. Liisa Tyrväinen, University of Helsinki
- 10.30-11.00 **Coffee**
- 11.00-11.30 **On economic effects of urban environment**
prof. Heikki Loikkanen, University of Helsinki
- 11.30-12.00 **Social impact assessment in urban planning**
Research Director dr. Rauno Sairinen, Centre for Urban
and Regional Studies, Helsinki University of Technology
- 12.00-12.30 **Urban biodiversity and urban planning**
Researcher Inkeri Vähä-Piikkiö, The City of Helsinki
- 12.30-13.30 **Lunch**

Session C. From theory to practice: planning and urban environmental issues, chairman Head of Environmental Research Jouko Kinnunen

- 13.30-14.00 **Aspects of urban sprawl in Helsinki Metropolitan region**
Research prof. Harry Schulman & MSc Vesa Kanninen
The City of Helsinki
- 14.00-14.30 **Environment and urban planning**
prof. Maija Rautamäki, Helsinki University of Technology
- 14.30-15.00 **Coffee**
- 15.00-15.30 **The role of scientific environmental knowledge in
decision-making**
Director General Pekka Kansanen
Environmental Centre, City of Helsinki
- 15.30-16.00 **Sustainability by local action in European cities
– A comparative perspective**
PD Marko Joas, Åbo Academi University
- 16.00-16.30 **Closing discussion**

Convener

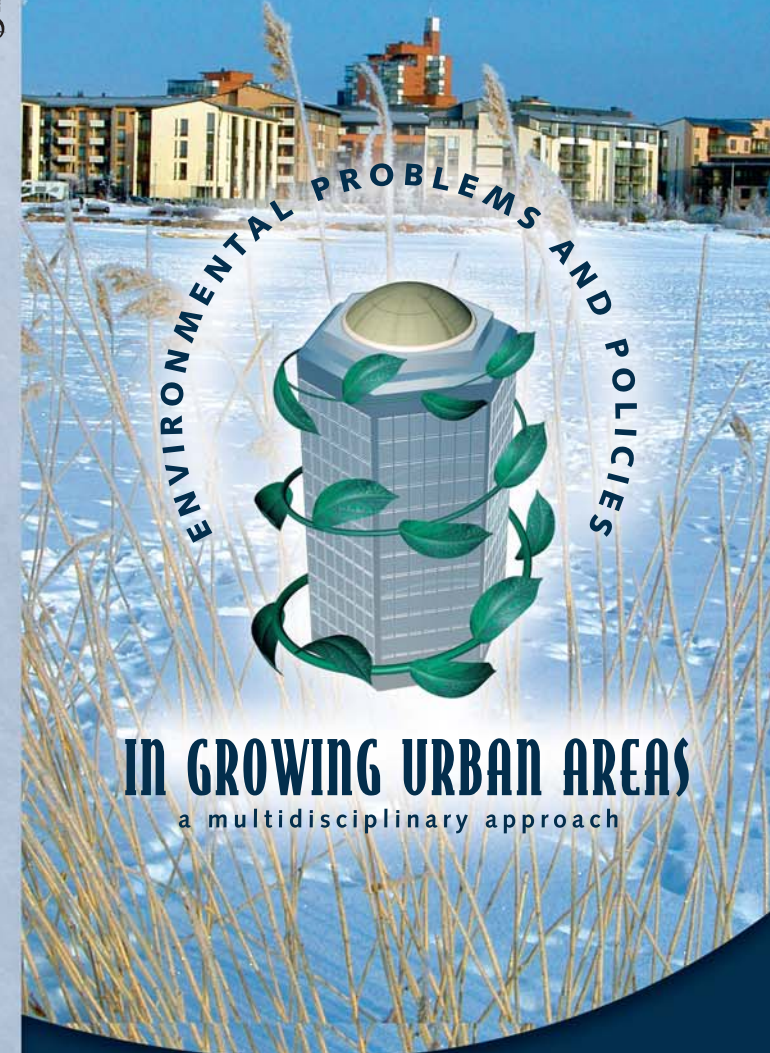
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IN GROWING URBAN AREAS
a multidisciplinary approach

FOURTH ENVIRONMENT SYMPOSIUM
8-9 DECEMBER 2003, HANASAARI, ESPOO,
FINLAND



Pro
Aere
Aqua
Terra

Environmental problems and policies

IN GROWING URBAN AREAS

a multidisciplinary approach



The Nessling foundation

Since 1995, the Foundation has arranged symposia on current environmental problems and the search for solutions. The goal of these symposia is to make known current environmental research being carried out in Finland and elsewhere in the world. The subjects of the previous symposia were: 'Recent Developments in Cyanobacteria Research' in 1995, 'Bioremediation of Contaminated Soil and Ground Water' in 1998 and 'Man and the Baltic Sea' in 2000.

The history of the Foundation is connected to the environmental problems of urban areas. Tor Nessling, (1901-1971) one of the pioneers of the Finnish motor industry, was together with his wife Maj concerned about the human damage being done to the nature and especially about the pollution caused by industry. For these reasons, Maj and Tor Nessling wished that their estate should be used in the promotion of research aimed at protecting the environment. The charter establishing the Maj and Tor Nessling Foundation was signed by Greta Maj Nessling in July 1972 and the Foundation began its work of furthering environmental protection in 1976.

Although the Foundation assists scientific research in all areas of environmental protection, the emphasis has been on supporting the prevention of environmental pollution and cleaning of polluted ecosystems. Not only applied research but basic research, environmental management, legislation and policy as well as dissemination of environmental information has been supported. Co-operation between several research groups and scientists has been regarded as particularly important. The Foundation has especially wished to support the development of new solutions and the exploitation of earlier research results.

■ The Maj and Tor Nessling Foundation symposium 'Environmental problems and policies in growing urban areas' is organised in collaboration with the *Spatial Ecology Programme* of the Department of Ecology and Systematics, University of Helsinki funded by the Academy of Finland (http://www.helsinki.fi/ml/ekol/spatial_ecology.html). The aim of the symposium is to examine environmental questions in urban areas in a multidisciplinary way. As urban areas continue to grow, housing and infrastructure must be developed for the new residents, but at the same time urban environment must be made healthier and more pleasant for the residents. Furthermore, green areas and biodiversity are recognised as important elements of a desirable urban fabric. Thus, a holistic view on how environmental problems and conflicts arise, what are their effects and how they could be solved is increasingly important in urban areas.

The symposium will deal with various aspects of urban environmental issues. Pollution and contamination of waters, air and soil, as well as noise and waste management, have received attention for a long time, but are of relevance in cities of today. In addition to these issues, problems related to ecology and biodiversity have received increasing attention. Urban residents are becoming more concerned about environmental issues, and it is important to examine urban environmental problems also from human and society's point of view. How did these problems arise, and how to assess their effects on the society? Are there policy measures to direct the development? What are the links between environmental problems and human well-being in urban areas? What are the knowledge needs of planners and decision-makers? These are questions that the symposium will deal with. The outcome will – hopefully – be a better and more integrated understanding of urban environmental problems.



The symposium is targeted for urban researchers, students, urban planners, decision makers, consultants, and various NGOs dealing with urban environmental issues. The symposium will be scientific, but the topics and lectures will provide valuable information for those involved in planning, management and decision-making in urban areas.

Organization, registration and fees

The symposium takes place on 8-9 December 2003, at Hanasaari Cultural Centre, Espoo. The language of the symposium is English. Articles based on the oral presentations will be published in a special issue of the peer-reviewed journal *Boreal Environment Research*.

The registration fee is 100 € (50 € for students). Meals, symposium materials and the proceedings publication are included. Accommodation is available at the Hanasaari Cultural Centre. Registration including reservation for accommodation should be made by May 30, 2003, by posting the registration form to Symposium Secretary (contact details on the last page) or through the Symposium homepage at www.nessling.fi. The deadline for paying the registration fee (bank account: Nordea 166030-104045, Ref. NesslingSymposio, SWIFT code: NDEAFIHH) and for submission of abstracts of oral and poster presentations is August 15, 2003.

For more information, please visit the Symposium homepage or contact the Symposium Convener, the Symposium Secretary or the representative of the Nessling Foundation.

