Conference programme

International Conference on Human Ecology
9-14 June 1991

HUMAN RESPONSIBILITY AND
GLOBAL CHANGE
Local and Global Application of Human Ecology

Human Ecology
University of Göteborg
International Conference on Human Ecology
9-14 June, 1991 in Göteborg
HUMAN RESPONSIBILITY AND GLOBAL CHANGE
Local and Global Application of Human Ecology


In collaboration with: The Society for Human Ecology (SHE), The European Association for Human Ecology (EAHE), The Commonwealth Human Ecology Council (CHEC), The Commission of Human Ecology (IAUES), Deutsche Gesellschaft für Humanökologie (DGH), and the Institute of Physical Resource Theory, Chalmers University of Technology.

In conjunction with: The 5th International Meeting of SHE.

Scientific Advisory Committee:

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Thomas Dietz, Fairfax, VA
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Torsten Malmberg, The Nordic Society for Human Ecology
Karl-Henrik Robert, The Foundation The Natural Step
Karl-Erik Eriksson and Britta Jungen, The University of Göteborg

Secretariat:
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Assistants: Eina Hagberg, Carin Johansson and Marie Thynell.

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Sunday 9 June

15.00 Registration

18.00 Cultural Evening in the Concert Hall

Introductory speeches on natural resources and their use in society over time, changing views concerning nature and society and the ecology of ultimate concern.

Welcoming addresses.

Speakers:
Jan Nilsson, Vice-Chancellor, University of Göteborg.
Hans Dahlberg, Folksam and The Natural Step.
Kerstin Lindahl-Kiessling, Royal Swedish Academy of Sciences.
Gerald Young, Society for Human Ecology, USA.
Bengt Mollstedt, City of Göteborg.
Moderator: Emin Tengström, Human Ecology, Göteborg.

Music:
Winduo
Anders Hagberg, Yasuhito Mori.
(see special programme)

Ballet:
Dancers from Storan, the Gothenburg Opera House perform five short ballets.
(see special programme)

20.00 Reception arranged by the City of Göteborg at the Concert Hall.

21.00 End.
Monday 10 June

8.30  Plenary session  Room: Palmstedtsalen
Global Change
Chair: Torsten Malmberg, Lund, Sweden.

Keynote Speakers:
Thomas Rossvall, Stockholm, Sweden:
Global Change: Research, Challenge and Policy Dilemma.
Tom Dietz, Fairfax, USA:
The Human Dimension of Global Change.
Samir Amin (not confirmed).

10.30  Coffee-break

11.00  Panel Discussion:
Thomas Rossvall, Tom Dietz, Samir Amin, Jaqueline McGlade,
Jülich, Germany, Letitia Obeng, Achimota, Ghana.

12.00  Lunch

13.30  Paper Sessions  No 1-11 (see pages 8-13)

17.00  End.

17.30-20.00 Alternative Evening Activities

17.30 Environmental Problems in Southern Poland.
Arranged by The Swedish NGO Secretariat on Acid Rain.
Building E

17.30 Institute for Human Ecology, Board and Fellow
Meeting. Organizer: Jeremy Pratt.
Building E

18.30 Museum of Natural History. Open to conference participants.
19.00 Guided tour and presentation of the ongoing work at the Museum,
by Torkel Hagström.
Tuesday 11 June

8.30  Plenary Session  Room: Palmstedtsalen
Population and Food Resources
Chair: Bengt Hubendick, Stockholm.

Keynote speakers:
Bertil Egerö, Lund, Sweden:
The Two Threats of Demographic-Economic Interrelationship:
The Need to Look Back in Order to see Forward.
Francesca Bray, San Francisco:
Population, Agricultural Intensification and Economic Diversity:
The Case of Asian Rice Economies.
Britta Jungen, Göteborg:
Toward Cultural and Biological Diversification.

10.30  Coffee-break

11.00  Panel Discussion:
Bertil Egerö, Francesca Bray, Britta Jungen, G.S. Nathawat, Jaipur,
India, and Brita Ogle, Uppsala, Sweden.

12.00  Lunch

13.30  Paper Sessions  No 12-21 (see pages 13-19)

13.30 - 17.00 Symposium  Building C.
Transportation and Societal Development
Chair: Bernhard Glaeser, Berlin.

Keynote Speakers:
Torsten Hägerstrand, Lund, Sweden:
Mobility and Transportation - Are Technology and Economics the only Limits?
Emin Tengström, Göteborg:
Automobility — is it Approaching a Global Crisis?
Kanehira Muruo, Göteborg:
Problems and Solutions in Road Transportation
Regis Cabral, Lund, Sweden:
Transportation and Societal Development — The Brazilian Case

15.00 - 15.30  Coffee-break

Short Communications:
A. Manuaba, Bali:
Environmental Deterioration at Denpansar-Bali Business.
Justin Samarasekera, Colombo:
An Urban Regeneration and Renewal Study of a Central Area of the City of
Colombo, Sri Lanka and the Transportation Factor in the Rehousing Exercise.
Urs Fuhrer and Florian G. Kaiser, Bern:
Attachment to Places and its Impact on Mobility.
Torsten Malmberg, Lund, Sweden:
Territoriality and Migration in a Human Ecology Context.
Dhanapala Samarasekara, Sri Lanka:
Model on East-West Cooperation. Model for Sustainable Development.
General Discussion
Wednesday 12 June

8.00  Departure by bus from Chalmers, Palmstedtsalen.
10.00 Short visit to Tanums museum.
11.00 Arrival at Strömstad.

Plenary Session:

**Human Health and Environmental Changes**
Chair: Napoleon Wolanski, Warszawa.

**Keynote speakers:**
Cristina Bernis, Madrid:
Environmental Changes and Women’s Health.
Carlos Coimbra, Rio de Janeiro:
Environmental Changes and Human Disease: A View from Amazonia.
Guy Heyden, Göteborg:
The Koster Health Project.

13.00  Lunch at Hotel Laholmen, Strömstad.
14.00  Boat to the Island of South Koster.
       Guided tour around the Island, visit to the Koster Health project.
       Possibilities for recreational activities and bathing.
17.00  Dinner at Ekenäs Hotel, Koster.
19.20  Boat from Koster to Strömstad and buses to Göteborg.
22.30  (approx) Arrival to Göteborg.
Wednesday 12 June

8.00  Departure by bus from Chalmers, Palmstedtsalen.
10.00 Short visit to Tanums museum.
11.00  Arrival at Strömstad.

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22.30  (approx) Arrival to Göteborg.
Thursday 13 June

8.30  Plenary Session  Room: Palmstedtsalen.

Ecological Values and Ecological Economics
I. Ecological Values
Chair: Frank B. Golley, Athens, USA

Keynote speakers:
Dieter Steiner, Zürich:
The Children of the Earth: Archaic Principles for Environmental Ethics.
Mary E Clark, Fairfax, USA:
Critiquing the "Rational" Worldview.
Juan Martinez-Alier, Barcelona:
Ecology and Poverty.
Clovis Cavalcanti, Recife, Brazil:
Ecological Values in a South Perspective.

10.15  Coffee-break

10.45  II. Ecological Economics
Chair: Peter Söderbaum, Uppsala, Sweden.

Keynote speakers:
Ann-Mari Jansson, Stockholm:
Ecological values of Natural Capital.
Karl-Erik Eriksson, Göteborg:
The Physical Basis of Ecological Economics.
Robert Costanza, Washington:
Sören Bergström, Stockholm:
How Ecological Values are made Insignificant.

12.30  Lunch

13.30 – 17.00  Parallel Sessions on
Strategies in Research, Education and Action.
No 22-24 (see pages 20-23)

19.00  Conference Dinner: Departure by ferry from Stenpiren

19.30  Dinner at Restaurant Elfsborgs Fästning

23.00  Return by ferry to Göteborg
Friday 14 June

10.00  Plenary Session  Room: Palmstedtsalen.
Conference Summary:
Strategies in Research, Education and Action.
Chair: Jan Nilsson, Göteborg.

Speakers include
Karl-Henrik Robèrt, The Natural Step.
Richard Borden, SHE.

Follow up discussion on the themes of Thursday afternoon

13.00  Adjournment
Monday, Session 1.
**Health in Developing Countries**
Building D. 13.30 - 17.00
Coffee-break 15.00 -15.30
Chair: Cristina Bernis

Dickinson Bannack, F.:
Migration and Female Reproductive History in Yucatan, Mexico

Sircar, P. K.:
Strategy of Traditional Health Practices in Changing Cultural Ecology of LDC's

Cardenas Timoteo, C. M.:
Ecological Aspects of Traditional Health Care amongst Ethnic Groups in Peruvian Amazon: Past and Present

Coimbra, C. Jr:
Environmental Changes and Human Disease: A View from Amazonia

Balam Pereira, G.:
Clinical Evaluation of Medicinal Plants

Hansson, A.:
Indigenous Amazonian Health Organization Reinforces Environmental Consciousness

Menéndez Castillo, R. A.:
Research Results of Multidisciplinary Studies on Medicinal Plants in Cuba

Figueroa, R.:
Primary Health Care in Native Villages in Guatemala

Monday, Session 2.
**New Developments in Human Ecological Education**
Building E. 13.30 - 17.00
Coffee-break 15.00 -15.30
Chair: Mel Coté

Mikelsons, Y.:
The Activities of the Latvian University in Managing the Environmental Issues

Berzina, I.:
On the Way to a Children’s Ecological Culture

Vyasulu, V.:
Teaching about Technology, Development, Environment: Some Experiences

Varga, E.:
Post-graduate Course in Human Ecology at the Eötvös Loránd University, Budapest

Griffore, B.:
Graduate Programs in Human Ecology at Michigan State University

Trescott, A. S.:
Human Ecology Students - A British Experience of Value Added in Undergraduate Studies

Sundström, T.:
A Core Curriculum Course in Human Ecology

Coté, M.:
A New Master's Degree in Human Ecology at College of the Atlantic
Monday, Session 3.
Values, Ethics and Human Ecology
Building C. 13.30 - 17.00
Coffee-break 15.00 -15.30
Chair: Finn Arler/Richard Langlais

Caravello, G.:  
Scientific and Common Visions in Human Ecology

Colombera, D.:  
Religious Behaviour — A Sound Evolutionary Strategy

Döör, J.:  
Ecology, Philosophy and Science - Aspects of an Experimental Philosophy

Glaeser, B.:  
Nature in Crisis? A Cultural Misunderstanding

Golley, F.:  

Hanson, P.:  
Nature, Culture and Civilization

Kuitunen, J.:  
On Ethical Responsibility of Social Research

Lewan, L.:  
Man's Use of Chemicals, its Origin in Ecology and Handling in Society

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Monday, Session 4.
Ecological Economics:
Modelling Ecological Life-Support Systems
Building C. 13.30 - 15.00
Coffee-break 15.00 -15.30
Chair: Ann-Mari Jansson

Folke, C.:  
Human Exploitation of Natural Resources and Ecosystems: An Ecological-Economic Analysis of the Complementarity between Natural Capital and Man-Made Capital

Hammer, M.:  
Ecological Support and Socio-Economic Trends in Fisheries — Matches and Mismatches for Ecological-Economic Sustainability

Mathes, K.:  
Ecotoxicology and Ecological Economics

Jaeger, C.:  
Societies, Models, and Global Change

Shogren, J. F.:  
Elements of Agri Ecological Economics
Monday, Session 6.
Ecological Economics:
Basic Conceptual Issues
Building E. 13.30 - 15.00
Coffee-break 15.00 -15.30
Chair: Carl Folke

Söderbaum, P.:
Outlines of Ecological Economics

Rees, W. E.:
The Ecological Economics of Global Change

Røpke, I.:
Beyond Clean Technology: Structural Changes of Production and Daily Life
Monday, Session 7.
Ecological Economics: Policies and Values Based on Human Perception
Building E. 15.30 - 17.00
Chair: Peter Söderbaum

Maier-Rigaud, G.:
Values, Prices and Economics in a Sustainable Society

Vestøl, J. Å.:
Ecologically Unhealthy Driving Forces in the Economy

Schlatre, J. D.:
Toward the Measurement of Human Values: Subject-Object Interaction

Rojo, T.:
Ecological Values in Sociological Theory

Ruiz, J. P.:
Ecological Values and Landscape Aesthetics

Monday, Session 8.
Ecological Problems in Industrial Societies and Urban Settlements
Building E. 13.30 - 17.00
Coffee-break 15.00 -15.30
Chair: Marvin E. Olsen

Carlestam, G.:
How to Re-Think? The Need for New Paradigms

Gudynas, E.:
Sustainable Development and the Social Ecology of Poverty: A Latin American Perspective

Günther, F.:
Ecological Adaptation of Settlements

Gupta, A.:
Eco-Sociological Paradigm for Identifying Alternatives for Sustainable Development

Mazurski, K.:
The Quantitative Index of the Threat to the Natural Environment

Olsen, M. E.:
Resource Transfers and Energy Flows in Socioecological Organization

Schmid, P.:
Peaceful Building

Steffens, K. E.:
Can Sorokin’s Sociocultural Theory Throw Light on Our Ecological Crisis?
Monday, Session 9.

**Population and Food Resources, the Problems in India**

Building E. 13.30 - 17.00  
Coffee-break 15.00 - 15.30  
Chair: Bengt Hubendick

Thring, M. W.:  
*Equilibrium Engineering*

Ward, D.:  
*Question Mapping in Human Ecology*

Ricci, M. A.:  
*The European Spatiality in the Territorial Conquest of the World of Others*

Frost, S.:  
*Community Development and Social Responsibility in Pushkar Valley, Rajasthan*

Mathur, H. S.:  
*Food Resources and Nutritional Status in Rural India: A Study in the Geography of Health*

Odend'hal, S.:  
*Changing Cattle Ecology in the People's Republic of China and India*

Saxena, P. S.:  
*Increasing Population and Urban Unemployment in India*

Monday, Session 10.

**The Use of Carrying Capacity in Human Ecology: Concept and Application**

Building E. 13.30 - 17.00  
Coffee-break 15.00 - 15.30  
Chair: Jeremy Pratt

Young, G.:  
*Critic of the Application of the Carrying Capacity Concept in Human Ecology*

Nielsen, J.:  
*Displacement Effects and Repeat Use on the Green River, Wyoming*

Taylor, J.:  
*Carrying Capacity in Human Ecology: An Application to Outdoor Recreation Environments*

King, J.:  
*Finding a Path to Sustainable Development: The ECCO Model*

Emmet, B.:  
*Canada's Green Plan for a Healthy Environment*

Lauer, P.:  
*A Program to Identify California's Carrying Capacity*
Monday, Session 11.

International Forum — A Network for Human Ecology
Room: Palmstedtsalen. 13.30 - 17.00
Coffee-break 15.00 -15.30
Chair: Richard Borden/Eva Ekehorn

Discussants:
Daysh, Z., CHEC
Hens, L., EHEA
Glaeser, B., DGH
Malmberg, T., NSHE
Suzuki, S., Japan
Wang, R., China
Ruiz, J., Spain
Wolanski, N., IUAES, Commission of Human Ecology
Gudynas, E., Uruguay
Murguia Rosete, R. E., Mexico
Nathawat, G. S. and Unnithan, P. K. N., CHEC, India
Lucan, A., Sierra Leone
Panzhauser, E., IOHE
Knöttig, H., IOHE.,
Varga, E., Hungary
Manuaba, A., Indonesia

Tuesday, Session 12.

Integrating the Sciences
Room: Palmstedtsalen 13.30 - 17.00
Coffee-break 15.00 -15.30
Chair: Tom Dietz/Uno Svedin

Speakers (titles to be announced):
Golley, F.
Gudynas, E.
Jaeger, C.
Jungen, B.
McCay, B.
O'Riordan, T.
Robinson, J.
Weichhart, P.
Young, G. L.
Tuesday, Session 13.

**Global Change**

Building E. 13.30 - 17.00  
Coffee-break 15.00-15.30  
Chair: Emilio Moran

Przybylski, T.:  
**Biological Impoverishment of Forest Ecosystems under Anthropopression**

Brown, P. G.:  
**Climate Change and the Planetary Trust**

Giambietro, M.:  
**Sustainable Development: Limitations of Scientific Assessment**

Kajser, B.:  
**Sustainable Development — Semantic Delusion or Serious Debate?**

Singhal, R.:  
**Human Factors in Ecological Interventions: The Case of Indian Forestry**

Mgeni, A.:  
**Mangrove Utilization and Sustainable Management in Tanzania**

Moran, E.:  
**Amazonian Deforestation: Local Causes, Global Consequences**

Vijil y Tardon, C.:  
**The Need of Research on the Human Condition**

Gorinsky, C.:  
**Ethnobiology for the 21st Century**

Ohlsson, L.:  
**Sustainable Development of the Greater Ganga: A Case for Regional Cooperation**
Tuesday, Session 14.
Population and Food Resources, the Problems of Different Social Settings
Building E. 13.30 - 17.00
Coffee-break 15.00 -15.30
Chair: Bengt Hubendick

Breckling, B.:
Development Perspectives of Subsistence Societies — Experiences of the HIFCO Project in the Peruvian Amazon

Davys, G.:
Green Crop Fractionation: A Farming Technique with EcologicalMerit

de Ita Martinez, C.:
Nutritional Requirements and Human Population Growth in a Tropical Forest Community in the Southeast of Mexico

Fenghui, W.:
Critical Environmental Zones (CEZ:s) in Global Change: Case study in the Ordos Plateau of China

Iregren, E.:
Trace elements in a Medieval Population in Middle Sweden — Are Levels Due to General Subsistence, Diet or Cultural Patterns?

Kadekodi, G.:
A Model for Eco-development: The Case of Peoples’ Participation

Mahgoub, M.:
Customary Laws and Ecological Adaptation in Awlad Ali Tribes of the Northern Coast in the Western Desert of Egypt

Marcuzzi, G.:
Bio-demographic Patterns in the German Linguistic Islands of Southern Alps: Towards a Synthesis

Méndez Gonzalez, R. M.:
Childhood Nutritional Status and Biodiversity—Changes in Yucatan, Mexico

Moji, K.:
Abalones and Divers on Ojika Islands: Struggle for Sustainable Diving/Fishing and Their Effects

Sinha, R. K.:
Food Declines while the Feeder Rises: Need for Appropriate Technology of Food Production Economically Cheaper and Ecologically Safer for Mankind
Tuesday, Session 15.

**Family Ecology**
Building C. 13.30 - 17.00
Coffee-break 15.00 -15.30
Chair: Muriel Cantor

Bosch-Willebrand, I.:
*Quo Vadis?: Women in the Environment*

Forsleff, L.:
*Hearthfinding: Affordable Eco-Housing for Seniors, Single Parent Families and the Homeless*

Goldsmith, E.:
*Balancing Work and Family: A Transnational Issue*

Maddock, J.:
*Modelling Families via Dialectical Ecology*

Shanahan, H.:
*Recognize the Complexity of Decision-Making in the Household: An Ecological Approach to Studying Purchase Behaviour related to the Generation of Waste in the Household*

Tuesday, Session 16.

**Human Health and Environmental Changes**
Building D. 13.30 - 17.00
Coffee-break 15.00 -15.30
Chair: Napoleon Wolanski

Anelli, A.:
*Environmental and Biological Factors on Spatial Mortality Differentials in the Developing Countries*

de Silva, J.:
*The Health Issues Related to Settlements in Large Scale Irrigation Projects in Sri Lanka*

Dobrowolski, J.:
*Cross-Disciplinary Training and Prevention of Deterioration of the Human Environment*

Egnéus, H.:
*Health Effects of Charcoal and Wood Fuel Use in Low-Income Households in Lusaka, Zambia*

Guminska, M.:
*Ecological Problems of Cracow and their Health Consequences*

Johansson, E.:
*A Cellular Model to Monitor Early Changes in the Environment*
Kabuto, M.:  
Urbanization, Air Pollution and Lung Cancer Mortality in Japan (1969 - 83) — An Ecological Correlation Study.

Mehandjiev, M.:  
Human Health in the Combined Ecological-Economic Assessment of Regional Industrial Development

Murakami, M.:  
Environmental Health Surveillance System

Siniarska-Wolanska, A.:  
Child Growth and Family Living conditions: The Case of Poland.

Tretter, F.:  
Methodological Problems of Environmental Medicine – Scientific Research and the "Real Life"

Alexander, W. A.:  
A Sustainable Human Ecology: Kerala, India

Wolanski, N.:  
Some Positive Indices of Health and Economic and Demographic Conditions in Poland

Tuesday, Session 17.  
**Ecological Economics:**  
**Politics and Instruments**  
Building E. 13.30 - 15.00  
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Chair: Peter Söderbaum

Eckersley, R.:  
Green Economics: Overcoming the Credibility Gap

Hellstrand, S.:  
Current Trends in Swedish Governmental Policies in Relation to Principles for Sustainable Development

Ketkar, K.:  
Hazardous Waste Sites and Income Inequalities: Policies and Cost-sharing

Lewan, N.:  
Land Ownership and Responsibility

Perelet, R.:  
Environmental Economics and Security Issues for the 1992 UNCED

Tuesday, Session 18.  
**Ecological Economics:**  
**Ethics**  
Building E. 15.30 - 17.00  
Chair: Dieter Steiner

Stryken, A. C.:  
Environment and Ethics — Some Basic Questions
George, R.E.:
Socioeconomic Democracy and Ecological Economics

Hedman, S.:
The Influence of Political Culture on Policy-
making to Promote Ecological Sustainability

Zierhofer, W.:
Silent Preferences

Seifert, E. K.:
Economic-Ethical and Bio-Economic Elements
of "Practical Economics"

Tuesday, Session 20.
Ecological Economics:
Development 2
Building E. 15.30 - 17.00
Chair: Francis Allotey

Cavalcanti, C.:
Towards a Notion of Ethno/Eco-Development

Khan, T. I.:
Strategy for Ecologically Sustainable Develop-
ment — A Human-Ecological Perspective

Martinez Negrete, M. A.:
An Integrated Approach for Fulfilling Society
Needs with Natural Resources by Means of So-
Called Appropriate Technologies

Yu Kong-jian:
Basin Experience and Ecological Prudence and
Engineering in China: Tradition and Inspiration

Tuesday, Session 19.
Ecological Economics:
Development 1
Building E. 13.30 - 15.00
Coffee-break 15.00 - 15.30
Chair: Francis Allotey

Perkins, P. E.:
Environmental Impact of the IMF/World Bank
Economic Program

Niedriris, J. E.:
Management Efficiency and Social-Economic
Motivation of Natural Economy

Thakur, L.:
Population Growth and Ecological Economics
in Developing Countries
Tuesday, Session 21.

**Values, Ethics and Human Ecology**

**Building C. 13.30 - 17.00**  
**Coffee-break 15.00 -15.30**  
**Chair: Finn Arler/Richard Langlais**

**Arler, F.:**  
Green-House Ethics

**Knötig, H.:**  
"Human Ecology", Scientific Effort vs Problem Solving Action: Does This Matter?

**Kvaløy, S.:**  
Eco-Social Sustainable Development and Non-Western Worldviews

**Langlais, R.:**  
What is meant by Ecological Security?

**Pavia, H.:**  
The Concept of National Security from an Ecological Perspective: A Preliminary Discussion

**Polk, M.:**  
The Use of Nature in Literature — A Brief Overview of Three Novels

**Pratt, J.:**  
Towards an "Ecology of Knowing"

**Rothkrug, P.:**  
Freedom, Community, Stewardship — A Troika for Social Change

**TeHennepe, E.:**  
Ecology, Education and Philosophical Maps
Thursday, Parallel Sessions
Strategies in Research, Education and Action

Thursday, Session 22.

Strategies in Research
Building D. 13.30 - 17.00
Coffee-break 15.00 - 15.30
Chair: Charles Suzanne, and Philippe Lefevre-Witier

Introduction:
Hens, L.:
Research in Human Ecology — An Overview

Firebaugh, F.M.:
Criteria for Evaluation of Interdisciplinary Research

Paper Presentation:
Graham J.:
Human Ecology and Health Advancement: The Newcastle Experience and Implications

Garrett, M.J.:
Cross Disciplinary Research Methods: Lessons from National 21st Century Studies

King, J.:
Research on Carrying Capacity, Ecological Economics and Ecological Ethics. Priorities for the Future

Lefevre-Witier, P.:
Interdisciplinary Approaches Combining Health Epidemiology and Human Ecology

Staller, T.:
A Conception for Human Ecology

Resource Persons from the Department of Human Ecology in Göteborg

Discussion.
Thursday, Session 23.

**Strategies in Education**

Building D. 13.30 - 17.00
Coffee-break 15.00 -15.30.
Chair: Tage Sundström, and Anthony Vann

Hagström, T.:
Natural History Museums and Human Ecology

Naess, T.:
Human Ecology and System Action Research

Ernshteins, R.:
Environmental Awareness and Education in Latvia

Kastenholz, H.:
Responsibility for Humankind and Nature — A Human Ecological Approach to Environmental Education

Straus, D.:
Intuition — A Human Tool for Generalizing

Mitastein, M.:
Role-playing and Human Ecology: A Pedagogical Proposal

Kumar, S.:
Field Studies in the Himalayas, Challenges of Cross Cultural Studies

Baluta, B.:
The Place of Adults Education, Particularly Training of Qualified Staff in New Polish Environmental Policy

Bang, J.:
Ecological Organization of Persons and Problems

Vann, A.:
Disciplinarity — its Advocacy and Rejection in the Study of Human Ecology
Thursday, Session 24.  
**Strategies in Action**  
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Coffee-break 15.00 -15.30  
Chair: Oswald Gibbs

**Introduction:**
Daysh, Z and Unnithan, T.K.N.:  
Strategies for Local and Global Application of Human Ecology

**Paper Presentation:**
Carley, M.:  
An Innovative Programme for Integration of Environmental Management into National Development in Seven Countries

Bahrenberg, G.:  
The Territorial Principle in Political Decision-making

Oliver, J.:  
Social Forestry and the Role of NGOs in Rajasthan State, India

Malta, F.N.C.:  
The Human Ecology Symposium in Utatuba, Brazil A Strategy for Local Action

Discussion

**Paper presentation continued**

Douglas, R.:  
Country Environmental Profile Project for the Commonwealth of Dominica

Holzknecht, H.A.:  
Development and Ecology in Papua New Guinea: Strategies in Action

Gupta, U.C.:  
Koles of Bundelkhand (U.P.): A Study in Cultural Ecology
Higgins, D.:  
Human Ecology Providing the Kind of Instrument to Enhance Living Conditions in Jamaica

Thompson, K.:  
Human Dependence upon the Land/Water Interface

Philips-Howard, K.:  
Mineland Reclamation on the Jos Plateau, Nigeria


Discussion
Poster session
Tuesday 11 June 8.30 - 17.00
Building E.

Video and/or slide show
Tuesday 11 June 17.30 -
Room Palmstedtsalen.

Gayden, E.L.:
The Urban Ecology of a Mexican City

Figuero, R.:
A Primary Health Project in Guatemala

Hansson, A.:
The Earth under Pressure

McGlade, J.:
The Blue Revolution: The Last Hunters

Member meetings of Human-Ecological Organizations

Society for Human Ecology (SHE)
Informal member meeting
Tuesday 11 June 18.00 -
Building E.

Nordic Society for Human Ecology (NSHE)
Friday 14 June 14.00 -
Room Palmstedtsalen