

Curriculum Vitae for Margareta Ihse

1. Personals

Name: Inger Margareta Ihse

Date of birth: 16 August 1943

Nationality: Swedish

Civil status: Married to Christer Ihse, two children born 1975, 1977; one grandchildren born 2010

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2. Education

1966 B.Sc. in Zoology, Botany, Chemistry and Pedagogy, Lund University.

1973 M.Sc. in Physical Geography, Environmental Conservation and Physics, Stockholm University. Thesis "Vegetation mapping of mountain vegetation by air photo interpretation – a pilot study"

1979 Ph.D. in Physical Geography, Stockholm University. Thesis "Interpretation of vegetation on aerial photos. Methodological studies for medium scale vegetation mapping"

1985 Assistant professor ("docent") in Physical Geography, Stockholm University.

1986 Assistant professor ("docent") in Remote Sensing for Nature Conservation, the Swedish Environmental Protection Agency and Stockholm University.

1985 Professor's competence in Environment and Natural Resource Information, the Royal Institute of Technology, Stockholm.

1991 Professor's competence in Environmental Ecology, Swedish Agricultural University, Uppsala.

1996 Professor's competence in Natural Resource Management, Stockholm University

1997 Professor in Ecological Geography, Stockholm University

2008- Professor emerita

3. Employment

1967–1973 Lecturer in Secondary School, Karlshamn and Stockholm.

1973–1985 Research Assistant, Stockholm University.

1979–1990 Invited lecturing in Remote Sensing, Vegetation Mapping, Landscape Analysis, Ecology, Physical and Ecological Planning and Resource Management at the Universities of Stockholm, Gothenburg, Kalmar, Växjö, Karlstad. and Umeå

1981 Senior Lecturer in Ecology and Nature Resource Planning, Kalmar High School.

1985–1986	First Researcher, Defence Research Institute, Stockholm.
1986–1992	Associate Professor, Swedish Environmental Protection Agency.
1990–1992	Senior Lecturer in Environmental Sciences, Stockholm University. (On leave for research projects until 1997.)
1992–1997	Senior Lecturer for Research in Remote Sensing and Nature Conservation, Department of Physical Geography, Stockholm University.
1997–2008	Professor in Ecological Geography, Stockholm University
2008	Professor emerita

4. Awards

1998	Elected fellow of the Royal Swedish Academy of Forestry and Agriculture
2007	The Gold Medal of the Royal Swedish Academy of Forestry and Agriculture
2010	The Nature Conservation Price of 2010, from the Swedish Agricultural University, Species inf. Centre
2012	The King's Medal, 8 th size with the ribbon of the Order of the Seraphim
2012	Honourable member of The Swedish Association for Nature Conservation

5. Linguistic ability

Language	Speaking	Reading	Writing
Swedish (mother tongue)	excellent	excellent	excellent
English	fluent	very good	very good
German	fair	good	slight
French	slight	slight	slight

6. Publications

My publication list contains over 300 works. Most of them are scientific, in English and in Swedish, but there are also popular reports, pedagogic works, and discussion and debates. See separate list.

7. Specialisation and research interests

My research interest is in ecological geographical studies of the landscape. Main focus is development of geographical methods, based on remote sensing and cartography, to analyse the landscape and its changes in time-space-related studies, especially biotopes and the vegetation parts of the ecosystem during modern time and the last 200 years, and to study the effects of biodiversity from these changes. My research interest also include the human influences in the

cultural landscape. My study areas has been the Nordic landscapes, especially the Swedish, but I have also performed studies in Norway, Finland, Iceland and the Faroe Islands. In Sweden I have studied the main biotopes and vegetation of the ecosystems in the cultural landscape, the hemiboreal and boreal forests, as well as the mire and he mountain vegetation. Studies of biotopes in urban environments, urban ecology are also included.

My research has been directed towards applications in nature conservation biology and spatial environmental planning.

My research can be grouped in the following areas:

- Landscape analysis for monitoring and evaluation of biodiversity in ecosystem and landscape
- Vegetation and biotope changes in ecosystems as indicators of environmental threats.
- Method development in air photo interpretation, remote sensing and GIS for data collection, analysis and presentation in environmental planning, nature resource planning, landscape monitoring, planning for nature conservation monitoring and inventories
- Landscape and biotope changes and human influence in agricultural, forestry, mire and mountains and in urban areas, through multidisciplinary work.
- Quantitative vegetation estimations by spectral measurements of biomass.

This include work in: Vegetation and biotope mapping, development of classification systems, development of methods for change detection studies of the characteristic nature types in Sweden (mountains, mires and wetlands, grasslands, deciduous and coniferous forests) by use of colour infrared aerial photos and historical black and white photos, historical maps) and Cartographic work for visualisation of changes. Biomass estimations by spectral radiometry of wetland vegetation and dry grassland vegetation.

My research can be summarised in following keywords: geography, landscape ecology, holistic landscape analysis of natural and cultural values, biodiversity, remote sensing, air photo interpretation, landscape changes, biotope classification, vegetation mapping, landscape monitoring, and environmental planning.

8 a. Memberships of boards and committees/Assignments

8 a 1. International/national Evaluation committees for research programmes

2007	The Swedish Agricultural University, Department of Forestry, Alnarp; Research program on “Broad leaved deciduous forests”
2006	IIASA (International Institute for Applied Sciences; Research programmes in “Environment and Natural Resources”, Laxenburg, Austria, member of the evaluation Committee
2006	European Council, Research and applied program of the “Cost Action E 27Profor, Protected forest areas in Europe -analysis and harmonisation”, member of the evaluation Committee
1996	Research Program of Cultural Landscapes, Norwegian Research Council; Member of the Nordic Evaluation Expert Group
1995	Geo-science Program of Education Lund University, member of the Evaluation Expert committee.

8 a 2. International/Nordic research grants committees

2006 2008	Finnish Research Council (expert panel for evaluation of remote sensing and development research programs)
2002 -2015	Norwegian Research Council (advisory expert for evaluation) of research applications
2001	EU Research Committee for Environment Program, Key Action on “Global change , climate and biodiversity, 2.3.3. Fighting land degradation and desertification

1995–1999 Member of the EU Research Committee for Training and Mobility Network, Brussels, Belgium (vice chairman 1999).

The Academy of Finland research program in biodiversity (advisory expert for evaluation)

8a 3. National research councils and other academic committees

2014- onward The Scientific Council for Biodiversity at the Swedish Environmental Agency

2007 - 2012 The Swedish Government Scientific Council for Biodiversity (Government appointed)

2007 onward The King Carl Gustaf's 50-years foundation for Environment, board member (appointed by the King, the chairman)

2006-2010 Member of the election committee for the Royal Swedish Academy of Agriculture and Forestry.

2004- 2007 The Swedish IIASA Committee (International Institute for Applied Systems Analysis), Austria

2002- 2006 The Bank of Sweden Tercentenary Foundation (Riksbankens Jubileumsfond), deputy board member; member of research, committee for geography and economy, and research committee for cultural heritage and transdisciplinary research (Government appointed)

2002-2005 Formas (The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning), evaluation committee for research schools; evaluation committee for transdisciplinary environmental research

2003- 2007 Committee for evaluation for the King Karl Gustaf's professorship in environmental sciences, for the Royal Swedish Academy of Agriculture and Forestry

2000- 2007 Committee for evaluation for the King Karl Gustaf's grants in environmental sciences, at the Royal Swedish Academy of Agriculture and Forestry (chairman)

2000-2006 Committee for Environment and Nature Resources, Royal Swedish Academy of Agriculture and Forestry (Chairman)

1999-2007 Nordic Council of Ministers, member of Nomination committee for Environmental prize (deputy member 1999-2002 for Minister of Environment and Parliament chairman Birgitta Dahl, since 2003 chair of the Swedish committee (government appointed)Infor

2000 Expert group for infrastructure and sustainable development, Research council for Buildings and Social structure (Byggeforskningsrådet)

2001 Swedish Royal Academy of Science, Committee for Environment

1997-2000 Evaluation committee for ass. Professors in the Faculty of bio-geo-science "Docentberedningen", Stockholms Universitet (deputy member)

1997-2000 Bendix and Liljevalchs research foundations, Stockholms Universitet (Deputy member)

1997-2000 Swedish Environmental Protection Board research program "Biodiversity indicators in forests (Member of the board of the program committee)

1995-1998 WWF Research Committee for Nature Conservation, World Wide Fund for nature, (Chairman)

1995–1999 Swedish Council for Planning and Coordination of Research, FRN, Member of the Research Committee for Environment,

- 1994–1995 Swedish Agency for Research Cooperation with Developing Countries, SAREC, Member of the Advisory Group for Research in Rural Areas and Environment,
- 1989–1993 Swedish Environmental Protection Agency, SNV, the Committee for Terrestrial Research (Vice Chairman)
- 1990–1992 Swedish Society for Nature Conservation (SNF) Research Fond of E. and W. Gustavsson. (Chairman)

8 a 4. Other international committees/Appointed assignments

- 2005 IUCN Commission for Ecosystem Management
- 1999-2005 IALE (International Association for Landscape Ecology), Vice president
- 1998 IUCN Commission for Species Survival
- 1996 IUCN-ESUSG (International Union for Nature Conservation, European Sustainable Development Specialist Group)
- 1995 ISOMAL, International Study-group on Multiple Use of Land, Wageningen, The Netherlands.
- 1993–1994 EU Commission work for the pan-European state of the environment report of the European Ministers of Environment report “Europe's Environment: The Dobris Assessment” in the chapter of Landscape, for The European Environment Agency.(invited expert)
- 1993–1994 UNEP-HEM's working group on “Global vegetation mapping for climate change studies”.
- 1992 Member of the Swedish delegation and expert panel in preparatory negotiations for the International Convention of Biological Diversity, Nairobi, Kenya (invited expert).
- 1992 Swedish non-governmental delegation to the United Nations Conference on Environment and Development (UNCED), Rio de Janeiro, Brazil.
- 1984–1991 Regional representative for IALE in Sweden.
- 1984–1998 IUCN Commission VII (International Union for Nature Conservation, Commission for Sustainable Development, former Environmental Planning).

8 a 5. Other National boards

- 2006- ongoing WWF Council of Sweden, personal elected member (with the King as chairman)
- 2000-2004 Royal Swedish Academy of Agriculture and Forestry (Vice president ”vice preses”)
- 2000-2005 National Forestry Board (Government appointed board member)
- 2000-2007 The Swedish Species Information Centre (board member)
- 1999-2000 Forestry and Agricultural Research (SJFR) Vice chairman
- 1998-2009 Svenska IALE/IALE Sweden - (chairman)
- 1996-2007 Centre for Research in Environmental and Nature Resources, CNM, Later Stockholm Resilience Centre , Stockholm University (board member and representative for the faculty of natural sciences)
- 1993–2006 World Wide Fund for nature, WWF in Sweden (board member).

1993–1995	Swedish Agency for Research Cooperation with Developing Countries (SAREC)(Government appointed board member).
1993–2000	Department of Physical Geography, Stockholm University (deputy board member).
1991–1996	Centre for Research in Environmental and Nature Resources (CNM), Stockholm University (deputy board member).
1991-2010	Advisory Board for Environment and Aesthetics to the director-general of the Swedish Governmental National Road Agency
1991–1993	Swedish Society for Nature Conservation (SNF). 1 st Vice President
1987–1993	Swedish Society for Nature Conservation (SNF, Member of the Board).

8 a 6. Organisation/chairing of conferences/seminars

2018	IBPES- Intergovernmental Panel for Biodiversity and Ecosystem Services – biologisk mångfald och samhällsutveckling- vägar framåt (organising committee, introduction talk).
2018	Landskapsforum 2018 Vattnet i det brukade landskapet.The Swedish Royal Academy of Forestry and Agriculture, Stockholm (organising committee, introduction talk)
2017	IBPES- Hoten mot världens ekosystem- hur kan vi vända den negativa trenden? (organising committee)
2017	Landskapsforum 2017 National conference Landskapsperspektiv i fysisk planering (Landscape perspectives in physical planning) The Swedish Royal Academy of Forestry and Agriculture, Stockholm (organising committee)
2017	Nordic seminar Multifunktionella landskap. Nordiska golfanläggningars möjligheter och utmaningar (Multifunctional landscapes, the potential and challenges for golf courses) , The Swedish Royal Academy of Forestry and Agriculture, Stockholm and STERF, (organising committee)
2016	Landskapsforum 2016 National conference Samarbetsnätverk I landskapet- möjligheter och utmaningar (Public participatory network in the landscape- changes and challenges) The Swedish Royal Academy of Forestry and Agriculture, Stockholm (organising committee)
2016	National seminar on Meadows is a key for sustainable future- but who pays? (Without money- no meadows and pastures – Utan pengar- inga hagar och ängar - levande ängar är en nyckel till hållbar framtid), The Swedish Royal Academy of Forestry and Agriculture, Stockholm (organising committee)
2015	International Symposium: European Remote sensing: Progress, Challenges and Opportunities, The 35 th EARSeL symposium; at KTH University (chairing session)
2015	National biodiversity conference 2015 A living city (Liv i staden. Möjligheter och metoder för biologisk mångfald i urbana miljöer) Center for Biodiversity, Swedish Agricultural University, Uppsala (Organizing committee and key note speaker)
2015	National seminar on the importance of Ecosystems services to feed a world without destroying it (Bruka utan att förbruka- om ekosystemtjänsternas betydelse för att föda en värld utan att förstöra den) The Swedish Royal Academy of Forestry and Agriculture first environmental seminar, Stockholm (moderator and organising committee)
2015	National seminar Agriculture and landscapes. The Swedish Royal Academy of Forestry and Agriculture, Stockholm (organising committee)

- 2015 International Conference “Large Parks in large cities. To the celebration of 20 years of Sweden’s National City Park), WWF (World Wildlife Fund, Academies and Universities (Organising committee, chairing session)
- 2012 National seminar Facing the future; biodiversity, ecology and economy- three pillars in future agriculture and forest practice? (organising committee)
- 2012 International Conference on Environment and sustainability “Faith in the Future- how science can help in meeting environmental challenges- the Royal Professors Symposium on Global Sustainability, The Royal Castle, Stockholm (organising committee)
- 2012 National seminar on landscape “The European Landscape Convention” duty or possibility?” (Landskapskonventionen- pålaga eller möjlighet) The Swedish Royal Academy of Forestry and Agriculture, Stockholm (organising committee, moderator)
- 2011 National Conference on landscape “The landscape perspective- what is the difference?” (Landskapsperspektivet - hur gör det skillnad), The Swedish Royal Academy of Forestry and Agriculture, Stockholm (organising committee)
- 2010 National Conference of IALE Sweden “The Swedish “Hagmarker” – a gem in the European landscape”
- 2010 National conference about vegetation mapping “Vegetation data for a better future, Stockholm, Swedish Land Survey (organising committee)
- 2009 Nordic Conference of biodiversity “Nordic biodiversity beyond 2010 - challenges and experiences in a global perspective”, Trondheim, Norway (organising committee)
- 2009 Nordic Conference “Mapping and Monitoring of Nordic Vegetation and Landscapes”, Reykjavik, Iceland (organising committee)
- 2009 National Conference about windmills and landscape “Windmills- of course, but not everywhere and not always”, The Swedish Royal Academy of Forestry and Agriculture, Stockholm (chairman)
- 2009 National Conference of IALE Sweden “Green areas in urban landscape, history, values, planning, management and restoration”, Stockholm (chairman),
- 2008 National Conference of IALE Sweden “Valuable wetlands- how to value and manage”, Kristianstad (chairman)
- 2007 National Conference of IALE Sweden “The Landscape and it’s outlying lands (”Landskapets utmarker, – hur värdera och sköta? , Historisk kunskap och överblick, Natur och kulturvården, Skötsel och förvaltning”), Siljansnäs, Dalarna (chairman)
- 2006 National Conference of IALE Sweden on the Cultural landscape, its values and managements, Norrtälje (chairman)
- 2006 National Conference on Vegetation and Biotope Mapping for sustainable development and planning – Stockholm (chairman of organizing committee)
- 2005 National meeting of Swedish Cartographic Society and Remote sensing Society (Kartdagar); “Vegetationskartor och IRF-flygbilder-framtidens produkt eller gammal skåpmat?”- (organizer and chairman for vegetation mapping session”, Jönköping
- 2004 Nordic meeting on vegetation classification systems in a European context within the Biohab EU-project, Stockholm (coorganiser Helle Skånes)
- 2003 IALE World Conference, Darwin, Australia session Landscape conservation (chair)

- 2002 National seminar of Svenska IALE/IALE Sweden, Dynamiska landskap - svensk landskapsekologisk forskning och tillämpning, Tyresta, (Stockholm), chairman
- 2001 European IALE conference (International Association for Landscape Ecology) "Dynamics of European Landscape Stockholm/Tartu (chairman, organising committee)
- 1998 Royal Academy of Science, Environmental committee, "Miljökonsekvensbeskrivningar (MKB) inom fysisk regional och riksplanering. Kan MKB skydda miljön? (coorg. Henning Rodhe)
- 1998 European workshop on Sustainable landscapes and vegetation changes- -the role of Remote sensing in research and application, (chairman organising committee), Stockholm University, Stockholm
- 1996 Int. IALE- symposium, Tartu, Estonia (member of program committee)
- 1995 European IALE seminar of Landscape Changes and its Ecological Consequences, Tilburg, The Netherlands (chairman organising committee)
- 1995 International Cartographic Conference in Stockholm 1997 (member of organising committee).
- 1993 National Conferences on Vegetation Mapping, in Gävle (chairman).
- 1991 Session of Spatial Pattern at the IALE World Conference, Ottawa, Canada (chairman).
- 1984 Session of Remote Sensing at the First International IALE Seminar, Roskilde, Denmark (chairman).
- 1991 National Conferences on The Use of Infrared Aerial Photos in Planning and Mapping, The Swedish Land Survey, Stockholm University and Stockholm University, in Gävle (organiser and chairman).

8 a 7. Other national committees/Assignments

- 1997-2000 Advisory Board for Protection of the Beauty of Stockholm (Stockholms Stads Råd till skydd för Stockholms Skönhet)
- 1996 Swedish Environmental Protection Board, Advisory group for the new "Råd och anvisningar vid inventering i natur- och kulturlandskapet"
- 1996 Stockholm Regional Environmental Advisory Board (Stockholms läns landstings regionala miljövårdsråd REM) Member and deputy member
- 1996-2008 Swedish National Committee for IUCN (Vice chairman 1996-2000)
- 1993-1995 the Research Council of Building and Planning, Research Committee for Future Research Program in Infrastructure Issues (BFR)
- 1991-1993 Research Committee for Forestry Research at the Swedish Agricultural University (SLU).
- 1990-1992 The Swedish national Committee (FN -92kommitten för miljö och utveckling), the Governments Committee for the UNCED Conference in Rio (Government appointed).
- 1990-2010 Swedish National Road Board (Vägverket) Member of National Environment Advisory Group to director general).
- 1989 Agriculture and Environment ("official report") from the Environmental and Energy Department. (Governmental Expert)
- 1987-1988 Council for Environment, the Swedish Government

8 a 8. Expert for evaluation of academic positions (sakkunnig)

Uppsala University, (Human Geography)(Senior lecture)

The Royal Technical Institute, KTH, Spatial and Environmental System Analysis (docent)

Linné University, Sweden, (Professor)

Kiel University, Germany (Geography and Landscape Ecology), (Professor)

Helsinki University, Finland (in Geoinformatic in geographical research in geographical information system, especially monitoring of environment), (Professor)

Joensuu, University, Finland (in Geography, special Physical Geography), (Professor)

Lund University, Sweden (Physical Geography), (Professor)

Tartu University, Estonia (in Cartography), (Professor)

Bergen University (Geography and Landscape ecology), (docent, ass.professors/post doc)

Ben Gurion University, Israel (Geography and Environmental Development), (docent, ass.professors/post doc)

Iceland University, Reykjavik (in Geography) ,(docent, ass.professors/post doc)

Stockholm University, Sweden, several (appointments Department of Systematic Ecology, Physical Geography, several), (docent, ass.professors/post doc)

Swedish Agricultural University, Ultuna, Sweden, several,(docent, ass.professors/post doc)

Lund University (Physical Geography) several positions (senior lecturer)

Stockholm University (senior lecturer)

Swedish Agricultural University, several positions (senior lecturer)

Roskilde University, Denmark (senior lecturer)

8b Membership of professional associations

The Swedish Royal Academy for Forestry and Agriculture, The Environmental Committee of the Royal Swedish Scientific Academy, International Association for Landscape Ecology (IALE), International Union for Nature Conservation (IUCN), Commission of Species survival, Commission for Ecosystem Management, International Cartographic Association, (ICA), Nordic Association for Cultural Landscape, Swedish Cartographic Society, Swedish Society for Anthropology and Geography (SSAG), World Wild Fund for Nature, WWF, The Swedish Association for Nature Conservation, The Swedish Botanical Society, The Swedish Geographical Society, Society for distinguished Women (Nya Idun)

9. Referee, opponents examination committees and supervision

9a Reviewer for International Journals

I have been a reviewer for: Ambio (several articles), Geoecology, Geografiska Annaler, Journal of Remote Sensing, Journal of Ecology, Rangifer, Journal of Biogeography, Norwegian Journal of Agriculture, Scandinavian Journal of Forest Research (several articles), Agriculture, Ecosystem and Environment (several articles), Landscape Ecology (several articles), Landscape and Urban Planning (several articles), Ecography, Biodiversity and Conservation, European Science Foundation, Landscape Research, Landscape online.

9b Editing Board

Editing board of *Landscape online*- the IALE-D journal,

9c Opponent for PhD thesis/fil.lic

2014 KTH University (Royal Institute of Technology), Stockholm, Department of Environment and Planning, in Geoinformatics. “ *Satellite Monitoring of Urban Growth and Indicator based Assessment of Environmental Impact*” (Dorothy Furberg)

2009 Bergen University, Department of Geography. “*Vegetation mapping and landscape analysis. GIS-modelling and analysis of vegetation transitions, forest limits and expected future forest expansion*” (Anders Bryn).

2006 Bergen University, Department of Botany “*Field margins in central Norway - creation, management and flora* (Hege Hovd)

2005 Swedish Agricultural University, Department of Landscape planning, Alnarp 2005 (lic thesis): *The Acceptance Process in Road Planning* (Kajsa Hylmö).

2004 Trondheim University, NTNU- Vitenskapsmuseet, Seksjon for biologi, Norge, June 2004: “*Coastal Heath Vegetation in Central Norway; recent past, present state and future possibilities*”(Liv Sigrid Nilsen)

1999 Tartu University, Department of Geography, Estonia, December 1999: “*Methods for landscape monitoring in Estonia*” (Kalev Sepp).

1997 Basel University, Department of Geography, Unit for Remote sensing and Climatology, December 1997 “*Remote sensing, biomass estimations and climatology*” (Co-examiner)

Member in the examination committee for PhD dissertations/fil.lic. *

2016 Lund University, Department of Physical Geography and Ecosystem: “ *Monitoring biodiversity in cultural landscapes: development of remote sensing-and GIS-based methods*” (Jonas Dalmayne)

2016 KTH University, Stockholm, Schools for Architecture and Planning. “*Remote Sensing of Urbanization and Environmental Impacts*” (Jan Haas).

2016 Uppsala University, Department of Human Geography, “ *Population and land-use change in Noarootsi Parish (Nuckö) in North-West Estonia during the transition from feudal society to capitalism (1590-1940)* ” (Hele Kimann)

2014 Swedish Agricultural University, Department of Urban and Rural Development, Uppsala “*Integrating food production and biodiversity*” (Kristina Belfrage)

2009 Swedish Agricultural University, Department of Soil and environment, Skara “*Improved farm soil mapping using near infrared reflection spectroscopy*” (Johanna Wetterlind)

2008 Swedish University of Agricultural Sciences, Faculty of Natural Resources and Agricultural Sciences, Department of Economy, December 2008: “ *Det agrara landskapet på vinst och förlust- resursåtgång vid produktion av biologiska och historiska värden* ” (Eva-Lotta Päiviö)

2007 Stockholm University, Department of System Ecology, september 2007: “*Managing the urban greens. Maintaining ecological functions in human dominated landscapes*” (Erik Andersson)

- 2007 Gothenburg University; Department of Plant Ecology, January 2007: "*Tundra landscape ecology: diversity across scales*" (Karin Lindblad)
- 2005 Uppsala University, Department for Geoscience, June 2005 "*Risk analysis for environmental assessment. Examples from the road Kiruna Narvik*" (Markus Lundkvist)
- 2005 Royal Technical University (KTH), Department of Infrastructure, division of urban studies, January 2005: "*Communicating professional Perspectives. Local Government and Spatial Planning for Sustainability*" (Sylvia Dovlén)
- 2004 Royal Technical University (KTH), Department of Planning and economy, May 2004: "*Landscape ecological analysis and assessment in an urbanising environment- forest birds as biodiversity indicators*" (Ulla Mörtberg)
- 2002 Swedish University of Agricultural Sciences, Department of Ecology and Environmental Sciences especially agricultural ecology, December 2002: "*Landscape and farm management influence generalist predators. Effects on condition, abundance and biological control*" (Örjan Östman)
- 2002 Stockholm University, Department of System Ecology, Natural Resource Management, May 2002: "*Quantifying Ecosystem Services from Regional to Local Scales- Examples from the Baltic Sea Drainage Basin*", (Åsa Jansson).
- 2001 Swedish University of Agricultural Sciences, Department of Vegetation Ecology, Umeå, May 2001: "*Forest landscape change in boreal Sweden 1850-2000 – a multiscale approach*" (Anna-Lena Axelsson)
- 2001 Stockholm University, The Beijer Institute, Royal Swedish Academy of Science and Department of System Ecology, April 2001: "*Local institutions, taboo and biodiversity?*". (Johan Colding)
- 2001 Copenhagen University, Department of Geography, March 2001: "*Implementing landscape ecological methods to GIS based procedures for land use analysis and decision support in rural areas*" (Ole Hjort Caspersen)
- 1999 Swedish University of Agricultural Sciences, Alnarp, Department of Landscape Planning, December 1999: "*Edge habitats in the agricultural landscape* (deputy member) (Ingrid Sarlöv Herlin)
- 1999 Gothenburg University Department of Physical Geography, September 1999: "*Influences of parks on local climate*" (Hillevi Upmani)
- 1999 Stockholm University, Department of Physical Geography, May 1999: "*Bush encroachment and the role of Browse in cattle production - an ecological perspective from a bush encroached grazing system, Olifants Drift, Kgatleng District, Southeast Botswana.*" (Nkobi Moleele)
- Karlstad High School/Gothenburg University: "*Geographical analysis of the cultural landscape and use of nature resources*" (Gabriel Bladh)
- Stockholm University, Department of Physical Geography: "*GIS and remote sensing for studies of thermal patterns in forestry planning*" (Maj-Liz Nordberg)
- Stockholm University, Department of Physical Geography: "*Remote sensing for vegetation mapping in Sweden*" (Laine Boresjö)
- Linköping University Tema Vatten: "*Landscape changes and hydrology*" (Lotta Andersson)
- Lund University: "*Remote sensing and land use in Sahel area*" (Katarina)
- Stockholm University, Department of Physical Geography: "*Land use and participatory nature conservation, Namibia*" (Neil Powell)
- Stockholm University, Department of Physical Geography: "*The geography of plants*" (Sara Cousins)
- Stockholm University, "*Remote sensing and GIS for geographical landscape and climate studies for reforestation on clear cuts*" (Maj-Liz Nordberg).

10 Teaching

10a Supervision for PhD/fil.lic*

I have been leader and supervisor in the research group in Ecological Geography; consisting of another two senior researchers, six PhD students and three projects research assistants. I have been supervisor for following PhD students

- 2007 **Bo Eknert** * Landscape changes and its effects on bird flora with criteria for nature conservation values, December 2007 (main supervisor)
- 2006 **Swantje Oostr**a: Bidrag till kännedom om lunden som begrepp och företeelse (April 2006 (vice supervisor), Swedish Agricultural University, Department of Landscape Planning, Alnarp
- 2004 **Maria Bergström***: Gryts socken - landskap och lokalsamhälle i ekosystemperspektiv, Stockholm University, January 2004 in thesis of Human nature resources and the use during historic time changes (main supervisor)
- 2003 **Anna Allard**: Vegetation changes in mountainous areas- a methodology for surveillance and monitoring. April 2003 (main supervisor)
- 2002 **Katarina Löfvenhaft**: "Spatial and temporal perspectives on biodiversity for physical planning. Examples from urban Stockholm, Sweden. December 2002 Stockholm University (main supervisor)
- 2002 **Anna Broström**: " Estimating source area of pollen and pollen productivity in the cultural landscapes of southern Sweden – developing a palynological tool for quantifying past plant cover -, October 2002, Lund University, Quaternary Geology (deputy supervisor)
- 2002 **Helena Persson**: "The spatial structure of genetic and morphometric variation in *Coryllus avellana* (Betulaceae) pattern and scale", December 2002 , Lund University, Department of Ecology and Systematic Botany (deputy supervisor)
- 1998 **Gudrun Gisladottir**:" Geographical analysis of natural and cultural landscapes on Iceland with the human use of nature resources" April 1998, Stockholm University (main supervisor)
- 1998 **Mats Leine***: "Small scaled vegetation changes in mires studied by digital photogrammetry" in program of Digital photogrammetry to detect minor vegetation changes (main supervisor)
- 1996 **Helle Skånes**: "Air photo based remote sensing for studies of historical and recent landscape changes of flora and vegetation as base for integrated planning in the cultural landscape". december 1996, Stockholm University (main supervisor)
 - o interrupted **Merit Kindström** (Landscape ecology, key biotopes and patterns in forest ecosystems (

10b Supervisor for Master Thesis/others

of six students at Stockholm University, Department of Physical Geography (Gabriel Blad "Kulturlandskapet I Värmland förändring och värde I svedjefinnarnas område", Siv Runborg Landskapsförändringar i Tomteby Öland, en oskftad by), Helle Skånes Metodstudier för kartering av lövskog i Halland med IRF-flygbilder), Tommy Löfgren utbredning och förändring av lövskog I barrskogslandskapet, en landskapsekologisk studie från Hjälmarens till Berslagen), Merit Kindström (Metodstudier för flygbildstolkning av nyckelbiotoper i skog) , Mikaela Löfgren (studier av Eu-bidragens påverkan på gräsmarker på Gotland)) and four students in other departments (Spektralmätning av alvarvegetation för bestämning av biomassa", Department of Botany, Stockholm University, Landskapsförändringar och effekter av dikning/dränning inom Emåns källområden , Royal Institute of Technology, Department for Land Survey, Stockholm.

Supervisor for an American student from Harvard, (Fulbright stipend (6 month in 1991)

Host for a Chinese guest researcher (2 years in 1990–1992), with grants from the Swedish Institute

10c Other teaching

I have large experience in teaching, with more than 2000 hours lecturing. I have experience in development of courses, writing and development of teaching material, like handbooks and stereogram. I have also large experience of field courses and excursions.

The teaching has been in

base level courses:

- nature resources planning, plant ecology, nature conservation, ecological air photo interpretation, geological air photo interpretation, remote sensing at Kalmar University ("Högskola")
- physical geography, geosciences and bio-geography (air photo interpretation, vegetation mapping, climatology, meteorology, oceanography, remote sensing and environmental planning at Stockholm University

advanced level courses in

- air photo interpretation with vegetation mapping, nature resource planning, environmental protection and landscape changes at Stockholm University, Department of Physical Geography
- air photo interpretation with vegetation mapping and environmental protection at Göteborg University, Department of Physical Geography
- landscape changes and remote sensing at Lund University, Department of Physical Geography
- landscape changes and remote sensing at Karlstad University ("Högskola")
- air photo interpretation, nature resource information and landscape changes at Royal Institute of Technology, Department of Photogrammetry, Stockholm
- mapping and interpretation technique, at Skinnskattebergs Forestry School
- Remote sensing for environment at Umeå University ("Hälso -och miljövårdsutbildningen)
- Remote sensing for environment at Kalmar University (Högskola) ("Hälso -och miljövårdsutbildningen)

PhD course in

- air photo interpretation at Stockholm University, Department of Physical Geography.

External courses for

- planners in local and regional planning in Västerås kommun, in air photo interpretation
- regional and local planners in practical environmental knowledge, Stockholm University

- the Ministry of Environment ("Miljödepartementet") in environmental knowledge and remote sensing technique
- the Swedish Environmental Protection Agency ("Naturvårdsverket"), planners from all County administration in environment in air photo interpretation of valuable meadows and pastures for national inventories
- the Swedish Environmental Protection Agency, in air photo interpretation in the first application of landscape monitoring, the LiM-project
- the Swedish Forest Board ("Skogsstyrelsen"), for planners from all County administration ("skogsvårdsstyrelserna) in air photo interpretation of high valuable biotopes in forest key biotopes ("nyckelbiotoper") in three regionally adapted courses
- for planners in STORA Skog in landscape ecological planning and air photo interpretation

9. Presentations on conferences/ symposia/invited Guest lectures

2018	Mårten Sjöbeck och naturvården- seminarium om "Mårten Sjöbeck, grundaren av den svenska markhistorien- KSLA sept 2018.
2017	Att förstå landskapet. Seminarium om Landskap och kulturmiljö - Domstolsakademins tekniker dagar om PBL
2012	Landskapets helhet - utgångspunkt och strategi för kunskapsuppbyggnad och analys av landskapets värden- "Verdier og utveiklingstrekk i kulturlandskapet, Biofors-Midt Norge, Trondheim, april 2012
2011	How to analyse a landscape; National seminar on "Landscape perspective seminar of the European landscape convention and its accomplishment in Sweden (Landskapsperspektivet- hur gör det skillnad-), Stockholm 2011-05-10, KSLA, RAÄ and Vitterhetsakademien
2010	Biodiversity in urban planning on landscape ecological basis- history and future –European Green Capital seminar What about Urban Nature- Biodiversity and Ecosystem Services, Stockholm, October 14-15, 2010
2010	Is it too far for the bumblebee to fly? Thoughts about isolation and ecological networks in hagmarkslandskap"- National Conference of IALE Sweden "The Swedish "Hagmarker" – a gem in the European landscape"
2009	Swedish Land Survey national symposium on Vegetation mapping "Historisk bakgrund och framtidens visioner" , (key speaker), Stockholm
2008	IALE US yearly conference Symposium on Landscape Patterns and Ecosystem Processes: The role of human societies "Landscape patterns of grassland reflects historic land-use organisation and management- examples from Sweden.", Madison, USA
2007-	IALE World Conference, Symposium on Mountain landscapes- "Values and threats in Swedish mountain landscapes, Wageningen, Netherlands
2007	MistraProgram INCLUDE: " Hållbar utveckling från ett landskapsperspektiv"- invited key note speaker, Stockholm
2006	Norsk institutt for landskap og skog, Oslo, Norge Workshop för Norges Nasjonal program for kartlegging og overvåking – kulturlandskap" "Övervakning av biologiska värden i kulturlandskapet i Sverige"

- 2006 Svenska IALEs nationella konferens om Odlingslandskapet, 4-5 oktober, Campus Roslagen, Norrtälje ” Hur har gräsmarkerna förändrats under de senaste 250 år i ett landskapsperspektiv?”-
- 2006 Nationell konferens om vegetations- och biotopkartering för en ekologiskt hållbar samhällsplanering, Stockholms Universitet ”Vegetationskartering i Sverige- en historisk tillbakablick och en framtida vision”.
- 2006 IALE-Deutschland, yearly conference, “Changes in agricultural landscapes during 1991- 2001- effects on biodiversity and ecosystems”, Kiel, Germany
- 2005 Kartdagar 2005 ”Vegetationskartor och IRF-flygbilder - framtidens produkt eller gammal skåpmat?, Jönköping
- 2005 Centre for transdisciplin environmental reserach, CTM, Stockholm University: ”Odlingslandskap i förändring- om hotade natur- och kulturvärden i odlingslandskapet. Hur se och förstå?”, 5 October, Stockholm
- 2005 Naturvårdsdirektoratet, Trondheim, Norge, Seminarium om Bruk av fjernmålsteknikker til overvåking av biologisk mangfold "Erfarenheter från Sverige av övervakning av landskapsförändringar och biologisk mångfald med hjälp av fjärranalys, främst IRF-flygfoto.", 14 October, Trondheim.
- 2005 WWF's conference “Ekoparken -10 år som Nationalstadspark, Stockholm “Livsrum och vägar för växter och djur i Nationalstadsparken”
- 2005 IALE-European conference ” Historical knowledge and holistic integration in European cultural landscapes”, Faro, Portugal
- 2005 INTECOL-ESA (International Ecological Congress- Ecological Society of America), Montreal, Canada; “Landscape and vegetation changes in multiple scale- studied in Swedish Mountains”
- 2004 Biohab- biological mapping of habitats in Europe, “Succession changes monitored by interpretation in colour infra-red aerial photographs - examples from Swedish ecosystems”, Prague, Czech republic.
- 2004 Swedish Royal Academy of Forestry and Agriculture Vår nya fauna- ”Klimat och landskapsförändringar av betydelse för faunan”
- 2004 Iceland Natural Historic Institute: ”Vegetation mapping in Sweden”
- 2004 Formas, KVA, KSLA's nationella konferens, Stockholm, om Städernas grönstruktur. Vad kan vi lära av nationalstadsparker i Sverige och Finland?
- 2004 Biohab Eu workshop, Prague, Czech Republic: “Succession changes monitored by interpretation in colour infra-red aerial photographs- examples from Swedish ecosystems”
- 2003 IALE World Conference, Darwin, Australia:” Indicators from colour infrared aerial photographs –models and methods for identification and monitoring of landscape, vegetation and biotopes”
- 2003 IALE International summer school for PhD students: The cultural landscape- integrated values, methods and analysis”
- 2002 IALE Portugal (APEP) International Workshop, Guarda, Portugal: Landscape ecology and Management of the Swedish Mountain Landscapes”
- 2002 Royal Academy of Letters, History and Antiquities, Stockholm: Det biologiska kulturarvet- landskapets minne.
- 2002 2nd Freiburger Geobotanischen Kolloquim, Freiburg University, Germany: “Persistence and changes in landscape in Sweden with a historical background”

- 2002 Ölandssymposiet, Uppsala Universitets Ekologiska forskningsstations symposium om Bondeekonomi och ekologi, Skogsby, Öland: "Att läsa historien i landskapet- metoder att se och förstå biodiversitet"
- 2002 Kartdagarna, Jönköping "IR-färgbilder – ovärderliga landskapsdokument och miljöreferenser"
- 2000 UK-IALE Yerly meeting on Quantitative approaches to landscape ecology, University of Wales, Bangor, Wales," Analysis of temporal changes at a landscape scale"
- 2000 Royal Swedish Academy of Agriculture and Forestry, Stockholm "Storskaliga landskapsförändringar som problem", "Hur kan vi se och förstå landskapsförändringar. National conference on landscape changes
- 2000 Swedish Environmental Protection Agency, seminar about the Archipelago, Stockholm."Metodstudier i IRF-flygbilder för översiktlig kartering av höga naturvärden i terrestra naturtyper i skärgården", Stockholm
- 2000 Royal Academy of Science, Stockholm: "Kan biodiversiteten i Nationalstadsparken bevaras?"
- 2000 Royal Swedish Academy of Agriculture and Forestry, Stockholm: "Hur förändringar i odlings- och jordbrukssystemen under 1900-talet har påverkat landskapets utseende och innehåll". National seminar on agriculture and sustainability
- 1999 NorLam, Nordic Workshop on Landscape, Environment and Biodiversity Monitoring, Fuglsø, Denmark (Norfa), "Strategic selected landscape regions and landscape elements- a Swedish approach for regional landscape monitoring"
- 1999 Flora och faunavårdskonferensen, Swedish Agricultural University, Ultuna: Hur värderar och bevarar vi odlingslandskapets naturmiljö och biodiversitet?"
- 1998 Department of Human Geography, Stockholm University: "Historic and geographic analytic analysis of the biodiversity of grasslands on landscape and species level.
- 1996 Kartdagarna, Norrköping, "Behovet av landskapsinformation för natur-och miljövård.
- 1996 Linnesymposiet, Växjö, "Vårt förändrade landskap"
- 1996 Finish Forest and Park Service, Helsingfors, Finland: "Possibilities and difficulties of CIR biotope interpretation. Methods and experiences from Sweden."
- 1995 College of Sogn og Fjordane, Department of Landscape Ecology, Norway: "Flygbildsteknikens möjligheter och begränsningar vid kulturlandskapsstudier"
- 1995 College of Sogn og Fjordane, Department of Landscape Ecology, Sogn, Norway: "Metoder för geografisk analys i ett kulturlandskap"
- 1995 IUFRO World Conference, Tampere, Finland: "Environmental Planning with CIR Air Photo Based Information in a GIS Decision Support System"
- 1994 Lund University, Department of Systematic Botany: "Grassland Changes in the Agricultural Landscape"
- 1994 Swiss Biodiversity Conference, Department of Geography, Basel, Switzerland: "Landscape Approach to Biodiversity Studies in Sweden". Invited key-note speaker.
- 1994 Open lectures at Stockholm University: "Europas Landskap – förutsättningar och hot"
- 1993 Harvard Forests, Cambridge, USA: "Vegetation Changes, Patterns and Key Biotopes in Agricultural and Forested Landscapes in Sweden"

- 1993 Royal Academy for Forestry and Agriculture, seminar on Bild- och fjärranalys i lantbrukets tjänst, "Landskapsövervakning och effekter av förändrad jordbrukspolitik"
- 1993 Lund University, Department of Physical Geography: "Fjärranalys för landskapsförändring"
- 1993 Helsingfors University, Department of Botany: "Structure and Distribution of Fragmented Deciduous Forests in Boreal Landscape"
- 1993 Roskilde University and IALE-Denmark yearly meeting: "Hur bestäms naturtyper i det öppna landet från flygbilder"
- 1993 Swedish Council for Forestry and Agricultural research (Skogs- och jordbrukets forskningsråd) seminarium om Kulturvetenskapliga aspekter på livsmedelssystemet "Ekologiska och miljö aspekter på livsmedelsproduktion", Stockholm
- 1993 Stockholms Universitet, Kulturgeografiska institutionens temadag om Natur och Kultur "Landskapet i ett ekologiskt perspektiv- struktur och dynamik" (inledningstalare)
- 1992 Norska Direktoratet for Naturforvaltning kurs i Nasjonal registrering av verdifulle kulturlandskap, Åsane, Norge, "Bruk av flygfoto vid registrering av värdefulla kulturlandskap"
- 1992 Karlstad College, course in Miljöinformation, "Landet som försvinner", Karlstad
- 1991 IR-91, nationell konferens- om IRF-flygbilder, anordnad av Lantmäteriverket, Statens Naturvårdsverk och Stockholms Universitet, Gävle "Inledningsanförande
- 1991 Nordic Association for Cultural landscape (Nordiska förbundet för kulturlandskap) yearly meeting, Kuusamo, Finland "Biomassaproduktion och markanvändning på rikkärr och dammäng i Kuusamo"
- 1991 Stockholm University Open lectures in the serie Miljön i fokus: "Landskapets utarmning under 1900-talet"
- 1991 Seminar " Det stängda landskapet - about The new agricultural policy and its effect" organized by the farmers regional organisation, Kalmar, " Landskapets omvandling, effekter av en förändrad jordbrukspolitik"
- 1991 Växjö College, lectures in the seminar serie Miljöforskning över ämnesgränserna "Naturgeografi och Landskapsekologi"
- 1990 Kalmar College, invited lectures in the course of Nature resource management in theory and practice, example Emån drainage area "Jordbrukslandskapets utveckling"
- 1990 Seminar at the Central Board for Antiquities, Stockholm "Samordnad landskapsanalys ur ett geografiskt perspektiv" (med Ulf Sporrang och Clas Tollin)
- 1990 The farmers organization (LRF), seminar about The ,arable land in a hundred year perspective, Stockholm "Åker och äng i odlingslandskapet. En belysning av utvecklingen och effekterna I fysiska termer", Stockholm
- 1989 County Administration and the Association of Local Authorities, Kronobergs län, Värnamo, Conference on The agricultural landscape and the agricultural policy, "Odlingslandskapets historia"
- 1988 Council for Development of landscape information, ULI, yearly seminar, Gävle "Kommunal hushållning med naturresurser genom datoriserat beslutsunderlag" (tillsammans med W. Arnberg och G. Wallenberg)
- 1988 Linköping University, lectures in the course of environmental science "Landscape analysis with help of air photos", Linköping

- 1988 Bergen University, Department of Botany: “Application of False-colour Film on Air Photos for Vegetation Mapping in Swedish Mountains”
- 1988 Bergen University, Department of Botany: “Application of Remote Sensing for Vegetation Mapping and Resource Management in Norden and Sahel”
- 1987 Helsingfors University, Department of Botany : “Flygbilder som hjälpmedel för monitoring av landskapsförändringar”
- 1987 Nationella folkrörelsekommittén’s conference for a Living countryside and nature “Kulturlandskapets förändring i det långa perspektivet. Pågående och förväntade förändringar”, Södertälje
- 1987 The Association of Geography teachers (Geografilärarnas riksförening och LRF) “Kulturlandskapets förändring”, Stockholm
- 1987 The Swedish Environmental Protection Agency, yearly conference for County administration, Kalmar “Förändringar i jordbrukslandskapet och restbiotopers betydelse”
- 1986 Lund University seminar for Riksbankens Jubileumsfond on the project” The cultural landscape during 6000 years”,
- 1986 Military High School, Lectures in Aerial Photo Interpretation of vegetation and soil

10. Participance in symposia/conferences/seminars

10 a International symposia/conferences/workshops

- 2010 European Green Capital seminar What about Urban Nature- Biodiversity and Ecosystem Services, Stockholm, October 14-15, 2010
- 2010 Expert workshops in preparation of SBSTTA-14 (Subsidiary Body on Scientific, Technical and Technological Advice at the Convention on Biodiversity (CBD), organized by the German Federal Agency for Nature Conservation at the International Academy for Nature Conservation, Vilm, Germany, 15- 17 March
- 2009 Nordic symposium “ Nordic biodiversity beyond 2010 - challenges and experiences in a global perspective. a Nordic symposium with the outlook to the world, 26-27 October 2009, Trondheim, Norway
- 2009 International workshop of “Biodiversity, ecosystem services and governance, Tjärnö, Sweden 4- 6 September, organized by Swedish Governmental Scientific Council for Biodiversity.
- 2008 IALE-US Yearly conference, 2008, Madison, USA
- 2007 IALE 7th World Conference, Wageningen, Netherlands
- 2007 ISO (International Standardisation Organisation ISO/TC 211 24 Plenary and working group meeting in Roma, Italy 26 May – 1 June (for geografic information), member of Swedish delegation
- 2006 IALE Deutschland Yearly Conference, Kiel, Germany
- 2006 Earsel Conference (European Remote Sensing Laboratories) Symposium, Warsaw, Polen
- 2005 IALE European Conference, Faro, Portugal
- 2005 INTECOL-ESA (International Ecological Congress- Ecological Society of America), Montreal, Canada; “Ecology at multiple scales”
- 2004 IUCN 3rd World Conference, Bangkok, Thailand “People and nature- only one world”
- 2004 Biohab International workshop, Prague Czech republic

- 2004 IALE 6th World Conference, Darwin, Australia
- 2003 Biohab European Workshop- habitat review and definition, Roskilde Danmark
- 2003 Biohab Internat. Workshop, Vienna, Austria
- 2003 Royal Academy of Forestry and Agriculture international conference: Ecosystem services in European agriculture in theory and practice.-, Falkenberg, Sweden
- 2002 IALE Portugal (APEP) International Workshop, Guarda, Portugal: Landscape ecology and Management of the Atlantic Mountain Landscapes”
- 2002 2:e Geobotanische Colloquium in Freiburg, Freiburg University, Freiburg, Germany,
- 2001 IALE European Conference “Development of Europe’s landscape, Stockholm/Tartu, Sweden/Estonia
- 2000 ISOMUL 3rd International Workshop on Sustainable Land Use Planning “ Fragmentation and Land use planning”
- 2000 IALE-UK, Annual meeting, Bangor, Wales
- 1999 SAI-SNSB workshop, European Space Research Centre, Ispra, Italy
- 1999 IALE 5th World Congress, Snowmass Village, Colorado, USA
- 1998 European Science Foundation, ALPNET workshop on biodiversity in European Mountains, Monte Bondone, Italy
- 1998 INTECOL, International Ecological Conference, Florence, Italy
- 1998 27th Remote Sensing Conference of Environment, Tromsø, Norway
- 1998 Permanent Rural Conference for Studies of Cultural Landscape, Trondheim/Röros, Norway
- 1997 Swedish Royal Scientific Academy, “Research for Mountain Development in Europe”, Abisko, Sweden
- 1996 IUFRO World Conference, Tampere, Finland
- 1996 IUCN (International Union for Nature Conservation) World Conference, Montreal, Canada
- 1995 European IALE Seminar: “Land Use Changes and its Ecological and Landscape Consequences”, Tilburg, The Netherlands.
- 1995 IALE 2nd European Conference: “The Future of Our Landscape”, Toulouse, France.
- 1994 ISPRA/Catholic University of Leuven International Workshop: “Remote Sensing and Landscape Ecology”, Leuven, Belgium.
- 1994 IALE-UK The 3rd Annual Conference: “Fragmentation in Agricultural Landscapes”, Myerscough College, Preston, England.
- 1994 Swiss National Conference on Biodiversity, Basel, Switzerland.
- 1993 UNEP-HEM (United Nations Environmental Program – Harmonization of Environmental Monitoring), Conference and Workshop: “Towards a Better Vegetation Classification for Global Mapping and Monitoring”, Charlottesville, Virginia, USA.
- 1993 IALE 4th International Conference: “Agricultural Landscapes in Europe”, Rennes, France.
- 1992 UNCED (United Nations Conference on Environment and Development), Rio de Janeiro, Brazil

- 1991 IALE 2nd World Congress of Landscape Ecology, Ottawa, Canada.
- 1989 International Symposium on Mires: “Peatland Ecosystems and Man – An Impact Assessment”, Dundee, Scotland.
- 1988 International Workshop: “Ecological Approach to Peatland Processes”, Abisko, Sweden.
- 1988 International Symposium at Institute for Terrestrial Ecology, Merlewood: “Dispersal of Species in Agricultural Landscape”, Grange-over-Sand, England.
- 1988 IUCN XVII General Assembly: “Conservation – Our Shared Responsibility”, Workshops and technical meetings, San José, Costa Rica.
- 1987 2nd IALE International Seminar: “Connectivity in Landscape Ecology”, Münster, Germany.
- 1986 Bergen University “The Cultural Landscape – Past, present and future”. International Symposium and Excursion, Bergen, Norway.
- 1985 3rd International Colloquium on Spectral Signatures of Objects in Remote Sensing, Les Arcs, France.
- 1984 IALE (International Association for Landscape Ecology) International Seminar, Roskilde, Denmark.
- 1984 IUCN/UNU (International Union for Conservation of Nature/United Nations University) International Workshop: “Environmental Planning and Management for Sustainable Development”, Montreal, Canada.
- 1983 44. Deutschen Geographentagen: “Geografi för framtidsplanering”, Münster, Germany.
- 1980 6th Canadian Remote Sensing Symposium, Halifax, Canada.
- 1978 International Symposium on Remote Sensing for Observatory and Inventory of Earth Resources, Freiburg, Germany.

11. Other research information and environmental debate

Radio program, national

Naturmorgon, april 2017
 Vetenskapsradion, maj 2008
 Studio 1, april 1995
 Efter tre, april 1995
 Lantbruksnytt, april 1992
 Klarspråk, maj 1990
 Kanalen, april 1990
 Lantbruksnytt, januari 1990
 Naturmorgon, december 1989
 Radio Sverige, oktober 1989
 Dagens eko, november 1987
 Dagens eko, mars 1986
 Vetandets värld, 1983

Radio program, regional

Samenyt, februari 1995
 Radio Östersund, oktober 1994
 Radio Kalmar, april 1992
 Samenyt, september 1989
 Radio Halland, september 1988
 Radio Malmö, februari 1987
 Radio Kristianstad, maj 1988

TV-program

TV2 Rapport, juli 1995
UR:s Växter, svampar, djur, november 1989
Vetenskapens värld, november 1988
Livsviktigt, februari 1987

newspaper/debate/interwiu

Dagens Nyheter, april 2017
Nerikes Allhanda, juli 2011
Samefolket, september, oktober 1995
Länstidningen , Östersund, juli 1995
Dagens Nyheter, juli 1995
Vägsäl (Vägverket), april 1995
Miljöaktuellt, december 1994
TT, november 1994
Miljöaktuellt, november 1994
Nya Vermlandstidningen, oktober 1991
Vetlandaposten, augusti 1991
Östgötakorrespondenten, september 1991
Östgötakorrespondenten, juni 1991
Barometern, mars 1991
Dagens Nyheter, 1990
AT Gävleborgs tidning
Dagens Nyheter, juni 1988
Ystads Allehanda, juli 1988
Dagens Nyheter, maj 1988
Svenska Dagbladet, 1987
Röster i Radio/TV, februari 1987
Nordvästra Skånes Tidningar, april 1986
Miljöaktuellt, mars 1986

12. Scientific Excursions

- 2008 Excursion to the Praire area, Madison
- 2006 Excursions to the Kiel area, in connection with the German yearly conference
- 2005 Excursions to Romania, Transylvanian Mountains, with the Royal Academy of Agriculture and Forestry, Environmental Committee
- 2005 Excursions to Algarve area, Portugal, in connection with European IALE Conference in Faro
- 2003 Excursions to Kakadua National Park, Darwin, Australia, concerning environmental and cultural influences- in connection with IALE World Conference
- 2003 Poland, with the Academy of Forestry and Agriculture, to study production and environmental problems in agriculture and forestry, one week.
- 2002 Portugal, Atlantic mountains and natural and cultural influences, one day excursion in connection with IALE Portugal international workshop.
- 2002 Italy, with the Academy of Forestry and Agriculture, to study production and environmental problems in forestry, four days

- 2001 Hungary, with the Academy of Forestry and Agriculture, to study production and environmental problems in agriculture, one week
- 1994-2000 Lake District and Wales, England, several times of one day excursions in connection with IALE UK meetings
- 1996 Canada, Montreal area. National parks of virgin forests- in connection with the IUCN World conference- one day
- 1995 The Netherlands with nature conservation in the cultural landscape. One day's excursion in
- 1995 Remote sensing institutes in Europe, specialized in environmental problems (ITE at Monks Wood in England, RTMV at Amsterdam in the Netherlands and EU Joint Research Center at Ispra in Italy). One week's educational visit
- 1994 Belgium with landscape ecological problems of urban sprawl in the cultural landscape. One day's excursion.
- 1994 Teneriffe with landscape development and vulcanism, Stockholm and Teneriffe Universities. One week's excursion
- 1993 Estonia, Department of Geography, Tartuu University, on landscape ecological problems to study wetland vegetation and its importance for nitrogen retention. Three days' educational visit and excursion in Estonia with prof. Mander,
- 1992 Kenya, Masai Maara and Aberdeer National parks in Kenya, studying wild life, vegetation damage and problems of ecotourism, in connection with the UNEP negotiations in Nairobi. Three days' excursion
- 1991 Niagara Escarpment, Canada, in connection with the IALE conference, with prof. Moss, to study geographical problems and planning for geomorphological important objects. Three days' excursion
- 1990 Iceland, field work at Reykjanäs, with Ph.D. student, lecturer Gudrun Gísladóttir, at the Department of Geography, Reykjavik University with studies of natural and cultural landscape. One week
- 1990 Mires in southern Sweden, studying development and changes, with prof. Malmer. One week's international excursion
- 1990 Middle England. Educational visit and excursion in agricultural landscape in, with practical nature conservation and biotop management. One week
- 1988 Costa Rica to study different types of tropical rain forests, and nature conservation and management problems. The excursion was organised in connection to in the IUCN conference in San José. One week's excursion
- 1987 Faroe Islands, educational visit and field tour on, on an invitation from the Museum of Natural History to work out a method and a classification system for vegetation mapping from CIR air photos, to be used for nature conservancy planning purposes. One week
- 1985 India, New Dehli, Dehra Dun, Ahmedabad, Hydrabad and other cities in India. Educational visit at remote sensing institutes and planning authorities, on an invitation from the India Environmental Government. I also gave lectures at most of the visited places, about Swedish remote sensing and physical planning and nature resource management. Three weeks.
- 1988 Lake District, England Educational visit to to study vegetation and landscape classification.
- 1983 Germany, Rheinischer Niederbucht and the Ruhr area. Excursion in connection with the Deutscher Geographentagen, to study planning and environmental problems of brown coal mining. Three days
- 1980 Iceland, Excursion with prof. Hoppe, two weeks.
- 1980 USA och Canada, in connection to the 6th Canadian Remote Sensing Symposium i Halifax. The visits included about ten institutes with remote sensing, vegetation mapping and physical planning. Two weeks' educational visit.

- 1979 Sweden Norrbotten, Excursion to with prof. Hoppe and prof. Schytt. Two weeks
- 1978 Germany. Excursion to Schwarzwald and Kaiserstuhl, in connection with the international remote sensing symposium, two days.
- 1974 Poland. Excursion in geomorphology, with prof. Hoppe, one week.

13. Received Grants (from 1994 onwards-)

Reciever grants	of	Project	Sum	Year
Ihse	Länsstyr. M-län	Method development for regional environmental monitoring; CIR-air photo interpretation of strategic landscape element, important for biodiversity	120 000	1994/96
Ihse/Alm	Länsstyr.R-län	Method development for regional environmental monitoring; Temporal digital photogrammetry for vegetation changes on raised bogs.	316 812	1995/96
Ihse	Stora Skog	Method development and course in advanced air-photo interpretation for key biotopes in forest	100 000	1995
Ihse	Skogs-styrelsen	Method development and course in advanced air-photo interpretation for key biotopes in forest	245 000	1995
Ihse	SNV	Remote sensing and GIS for landscape ecological studies -monitoring and evaluation of landscape and biotope changes	217 000	1994/95
Ihse	SNV	Remote sensing and GIS for landscape ecological studies -monitoring and evaluation of landscape and biotope changes	335 000	1995/97
Ihse	SNV	IALE-UK Conference, England 5-14 sep	18.000	1994
Ihse	WWF	Vegetation analysis and changes in reindeer grazed mountains	745.000	1995-98
Ihse/Löfven-haft	Miljövärd-fond, Stockholm	Method development for biotope mapping in urban areas	300 000	1995
Ihse/Löfven-haft	Miljövärd-fond, Stockholm	Method development for biotop mapping in urban areas	340 000	1996/97
Ihse	SNV	Landscape monitoring by CIR-aerial photo interpretation in agricultural landscape, LiM-project	541.000	1992/93
Ihse	SNV	Landscape monitoring by CIR-aerial photo interpretation in agricultural landscape, LiM-project	440.000	1996/97
Ihse	SNV	Senior lecture in environmental sciences	614.000:-	1996/97

Wastenson/Ihse	FRN	Expensive scientific equipment Remote sensing and geographic information for change detection in environmental research	2.725.000	1995/96
Nordberg/Ihse	Rymdstyrelse (RS)	Vegetation changes in mountains, studied by Landsat TM	187 000	1995/96
Nordberg/Ihse	RS	Vegetation changes in mountains, studied by Landsat TM	263.000	1996/97
Nordberg/Ihse	RS	Vegetation changes in mountains, studied by Landsat TM	372.400	1997/98
Nordberg/Ihse	RS	Sustainable mountain landscape- applied regional approach	123.600:-	
Ihse	SJFR	Professorship in ecological geography	443.300:-	1997/98
Ihse	Government of Finances	Professorship in ecological geography	557 000:-	1997/98
Ihse/Wastenson	MISTRA	Rese Vegetation change	4.524.000:-	1997/99
Sporrong/Ihse	FRN	Permanent Nordiskt seminarium för landskapsforskning	150.000	1998/99
Ihse	County of Uppsala	Landscape classification and monitoring in agricultural landscape	524.000:-	1998-2001
Ihse	SEPA (Swedish Environmental protection Agency)	Method development for mapping of nature conservation values in archipelago	400.400:-	1998/99
Ihse/natgeo	Forest company Stora skog	PhDstudent Remote sensing methods for studies of fragmented forest and high biodiversity values	1.218.488:-	1998-2001
Wastenson/Ihse	Wallenberg-stiftelsen	Remote sensing equipment	2.174.000:-	1999
Ihse	SEPA	Development of classificationsystem and nomenclatur for landscape monitoring	504.000:-	2000-2001
Ihse/Wastenson	Mistra	Vegetation and biotope monitoring	3.850.000:-	2000-2002
Ihse	Formas	Changes in vegetation and erosion from reindeer grazing/ Härjedalen	50.000	2001
Ihse	Formas	European IALE (Internat. Ass. for Landscape Ecology) Conference	70.000:-	2001
Ihse	SEPA	European IALE (Internat. Ass. for Landscape Ecology) Conference	50.000:-	2001
Ihse	Stockholm University Granholms stiftelse	European IALE (Internat. Ass. for Landscape Ecology) Conference	4.800:-	2001

Ihse	KSLA	European IALE (Internat. Ass. for Landscape Ecology) Conference	20.000:-	2001
Ihse	SEPA	Landscape Inventory and monitoring (the LiM-project)	1.826.900:-	2001-2002
Ihse	SEPA	Vegetation mapping of Tyresta national park and development of cartography	149.900 + 150.000	2001-2002
Ihse/Bang	RS	Envisat AO-project- Synergi of Envisat ASAR & Meris data for Landscape classification	135.000:-	2002
Ihse	EU/SLU	EU-proj Aembac	22.166:-	2002
Ihse	EU	Expert and Evaluator for global change applications	35.000:-	2002
Ihse	Stockholm regional and planning office for environment	Survey and mapping of old forest for recreation purposes	350.000:-	2002-2004
Ihse/Stenseke	SEPA	Drivkrafter och orsaker till förändringar i landskapet, registerade vid LiMprojektet	250.000	2004-2005
Ihse	SEPA	Natura 2000, Test of methods for air photo interpretation	200.000	2005
Ihse	SEPA	Tyresta national park development of methods for management plans	25.000	2006
Ihse	Letterstedtska	Travel grants for research of nature resource use in medieval landscape in Iceland	3.000	2006
Ihse	SEPA	Review of landscape ecological plannings experiments	250.000	2007