

## CV

### Docent (=Associate Professor)

June 1, 2005

### Doctor of Philosophy

2001: PhD in Theoretical Ecology. Thesis: *Inference and Management of Populations in Variable Environments*. Supervisor: Prof. Per Lundberg. Opponent: Prof. Marc Mangel, University of California, Santa Cruz

### Academic employment

Aug 1 2005 – Jan 15 2006: 80% paternal leave

April 2004 - Assistant Professor, Department of Theoretical Ecology, Lund University

Aug 2003–Mar 2004: Post-doc within the Nordic Centre of Excellence entitled *The Dynamics of Ecological Systems under the Influence of Climatic Variation*, including the Universities of Oslo, Helsinki and Lund.

Aug 2002–July 2003: Post-doc with Prof. Hugh Possingham, The Ecology Centre, University of Queensland, Australia

Jan–June 2002: Post-doc with Prof. Veijo Kaitala, Department of Biology and Environmental Science, University of Jyväskylä, Finland

### Education and pedagogical training

2006: “Högskolepedagogisk introduktionskurs” (Introduction to teaching and learning in higher education)

2004: “Kompetensutveckling för handledare” (training course for supervisors)

2003: “Docentkurs” (training course for young scientists aiming at an Associate Professorship)

1997–2001: Graduate student at the Department of Theoretical Ecology, Lund University (supervisor: Prof. Per Lundberg)

Autumn 1999: Visiting scholar at the School of Fisheries (with Ray Hilborn), University of Washington, Seattle, USA

June/Dec 1998: Visiting scholar at the Plant-Animal interaction group, Dept. of Limnology, Netherlands Institute of Ecology

1997: Field course (3 weeks) in Tropical ecology, Queensland, Australia

1995–1997: Undergraduate student in biology, Lund University. Master of Science (Master thesis in Theoretical ecology)

1992–1994: Undergraduate student in biology, chemistry and mathematics, University of Gothenburg

### Principal supervisor

2004 – Jonas Knape (PhD candidate)

2006 – 2007: Anders Wikström (Honours degree)

2003 – 2006: Emma Ådahl (Phil. Lic.)

2001 – 2002: Lena Månsson (Honours degree)

### Co-supervisor

2003 – 2005: Helen Ivarsson (PhD)

### Examination

2007: External examiner for Yvan Richard, PhD candidate, Massey University, New Zealand.

2006: Member of the examining committee during Olof Hellgren's dissertation in Animal Ecology, Lund University

2005: Opponent for Beatriz Jáñez Alvarez' Honours Thesis in Animal Ecology

2001: Opponent for Emma Ådahl's Honours Thesis in Animal Ecology

### Teaching

- 2007: Head teacher in Experimental design in biology (new master course at LU). Lecturer and demonstrator in Biological Monitoring (10p) and Fisheries Ecology 10p (C-level, campus Helsingborg). Lecturer in Theoretical Ecology (10p),
- 2006: Lecturer and demonstrator in Biological Monitoring (10p) and Fisheries Ecology 10p (C-level, campus Helsingborg). Lecturer in Theoretical Ecology (10p)
- 2005: Lecturer and demonstrator in Biological Monitoring (10p) and Fisheries Ecology 10p (C-level, campus Helsingborg)
- 2004: Lecturer and demonstrator in Conservation Biology 10p (C-level), Biological Monitoring (10p), Fisheries Ecology 10p (C-level, campus Helsingborg), Risk assessment 10p and Technical Mathematics 10p (Lund Institute of Technology)
- 2003: Organized (together with Dr. Chris Wilcox) a reading group on Markov Chain Monte Carlo methods for PhD students in mathematics and ecology, as well as senior ecologists. That involved lectures and seminars
- 2002: Lecturer and demonstrator in Conservation Biology 10p (C-level), Lund University. Main responsibility: To teach quantitative methods, including model fitting and selection, elementary decision theory and adaptive management
- 2001: Lecturer and demonstrator in Conservation Biology 10p (C-level) and Biological Monitoring 10p (C-level), Lund University. Main responsibility: To teach quantitative methods, including model fitting and selection, elementary decision theory and adaptive management
- 2000: Lecturer and demonstrator in Mathematics for Biologists 5p (basic level), Gotland University College. Developed computer exercises for undergraduate studies in ecology
- 1999: Demonstrator in Ecology 10p (C-level). Various computer exercises in harvesting theory
- 1998: Demonstrator in Ecology 10p (C-level). Various computer exercises in harvesting theory
- 1997: Demonstrator in Ecology 10p (C and D-level). Various computer exercises in predator-prey theory
- 1992-1997: Guide at Ottenby Bird Observatory during the summer months

#### **Reviewer for the following research councils**

Israel Science Foundation

The BSF (United States-Israel Binational Science Foundation)

The Netherlands Organisation for Scientific Research

#### **Reviewer for the following journals**

Acta Oecologia, Annales Zoologici Fennici, The American Naturalist, Ecological Applications, Ecography, Ecology, Ecology Letters, Ecoscience, Evolutionary Ecology, Folia Zoologica, Global Change Biology, ICES Journal of Marine Science, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Avian Biology, Marine Ecology Progress Series, Nature, Oecologia, Oikos, Proceedings of the Royal Society of London Biological Sciences, Theoretical Population Biology

#### **Appointments**

2005 – : Member of the Kullabygden Ornithological Society Board.

2005: Organizer and convener for the session *Combining population dynamics and habitat selection in mammals* at the 9<sup>th</sup> International Mammalogical Congress, Sapporo, Japan

2000–2001: Member of the Department of Ecology Board, Lund University

1998–2006: Member of the Ottenby Bird Observatory Committee

#### **Talks given at conferences, workshops and seminars**

- *Habitat selection and real-world problems*. Oslo University, May 2007, invited talk.

- *The mechanisms of population response to climate change*. Nordic Center of Excellence review meeting at Risö, 2004.
- *Timing of reproduction*. Nordic Center of Excellence review meeting at Risö, 2004.
- *The spring migration wave*. Nordic Center of Excellence review meeting in Lund, 2005.
- *Population monitoring in heterogeneous environments*. Nordic Center of Excellence review meeting in Lund, 2005.
- *From ecology to statistics and back again: The problem of system identification in ecology*. Seminar at the School of Life Sciences, University of Queensland, September 2002.
- *Incorporating movement and uncertainty when modelling marine reserves*. Approaches to conserving exploited species in marine and terrestrial ecosystems. SCB meeting, Canterbury, Great Britain, July 2002
- *A theory of stochastic harvesting in stochastic environments*. The 8<sup>th</sup> International Theriological Congress, Sun City, South Africa, August 2001
- *Theory, models, and data - are they separable?* Contemporary Population Ecology Symposium, Helsinki, January 2001
- *From data to decision - reinventing population monitoring*. Monitoring bird populations, workshop at Lund University, December 2000
- *Stochasticity in exploited systems*. Fishery stock assessment: management tools for the future, seminar at the Institute of Marine research, Lysekil, Sweden, Spring 2000
- *Fitness, dispersal and marine reserves*. School of Fisheries, University of Washington, Seattle, November 1999
- Gave a two-day seminar (together with prof. Per Lundberg) on spatial population dynamics at the annual meeting of Swedish scientists working on wildlife biology, Kristineberg Marine Research Station, March 1999
- *Optimal population harvesting in a source-sink environment*. University of British Columbia (Vancouver), University of Washington (Seattle), University of Helsinki and University of Oulu, Spring 1998
- Several talks on various aspects of ornithology, including The effect of hunting on bird populations, and Swedish Ornithology in Italy

#### **Conferences and workshops without a talk**

The 4<sup>th</sup> conference on Statistics in Ecology and Environmental Modelling: Population dynamics: the interface between models and data. Dunedin, New Zealand, December 2002

Theoretical Community Ecology. Workshop at Bornholm, Denmark, May 2001

Hunting as sustainable resource utilisation: experiences and challenges. Conference in Trondheim, Norway, February 2001

Nordic Workshop on Conservation Biology: Spatial and Temporal Aspects. The Archipelago Research Institute, Seili, Finland, October 1998

#### **Research grants awarded**

2005: Travel grant from Knut and Alice Wallenberg's stiftelse to attend the 9<sup>th</sup> mammalogical congress in Hokkaido, Japan

2003: Research grant (4 years) from the Swedish Research Council

2002: Post-doc grant (12 months) from The Swedish Foundation for International Cooperation in Research and Higher Education

2001: Post-doc grant (6 months) from the University of Jyväskylä, Finland

2000: Travel grant from The Royal Physiographic Society in Lund, to attend the 8<sup>th</sup> Theriological Congress, Sun City, South Africa

1999: Scholarship from The Swedish Institute and Knut and Alice Wallenberg's stiftelse to cover three months as a visiting scholar at the University of Washington, Seattle, USA

**Major awards**

2007: Nominated to the EURYI awards

2005: Stiftelsen Konung Carl XVI Gustafs 50-årsfond för vetenskap, teknik och miljö  
A personal award (75,000 SEK) delivered by the Swedish king Carl XVI Gustaf to  
acknowledge my research on the relative effects of environmental variability and human  
impact on populations.