CV

Name: Dr. Jannike Falk-Petersen
Date of birth: 18.07.79

Address:
PG Rodumsvei 3
9011 Tromsø
Norway

E-mail: jannikefa@hotmail.com, Jannike.Falk-Petersen@uit.no
Phone: 41 61 47 70 (cell), 77 64 58 47 (office)

Education

Higher education

- *Philosophiae Doctor* in Social Science, thesis "Management of the alien invasive red king crab- integrating natural and social science perspectives".
- PhD courses: Philosophy of Science, Valuation methodologies for Marine Environments, "Trade, property rights and biodiversity", Stated preference research, "The economics of ecosystem services and biodiversity conservation", "Ecosystems, management and marine reserves".

- University of British Columbia, Canada (Ecopath with Ecosim- ecosystem modelling tool)
- University of Tromsø, Norway (First year courses in biology, chemistry, mathematics, philosophy and fishery biology (1.5 years). Statistical course in multivariate analysis, MSc course in advanced natural resource economics).
- BSc in ecology and zoology at University of Cape Town (Botany, zoology, ecology, marine biology, fresh water biology, biological modelling, statistics, African dance, African music.). (2 years).
- Master in International Fisheries Management at Norwegian College of Fishery Science. (Economics, fisheries biology and harvesting technology, fisheries ecology, fisheries development, fisheries economics, fisheries data analysis, fisheries management, research seminar). MSc thesis: "Ecosystem effects of red king crab invasion – a modelling approach using Ecopath with Ecosim". (2 years).
- PhD program at the Department of Economics, University of Tromsø (started summer 2006).

High school

- Kongsbakken Videregående skole, Tromsø, Norway.
- Westerford High School, Cape Town, South Africa. (4 months).

Junior school

- Gyllenborg skole, Tromsø, Norway.
- Ecole de Banyuls, Banyuls Sur Mer, Frankrike. (4 months).
- Sommerlyst ungdomsskole, Tromsø, Norway.

Computer skills

- Word, Excel, Power point, internet, Ecopath with Ecosim, PQMethod, Final Cut Pro

Language skills

- Norwegian and English – fluent
- German – some

Courses/ conferences

- ReCo Digital Storytelling workshop for communicating research (Tromsø, Norway 2012, 3 days).
- Rockstrom's Rosette – Applicability to Norwegian coastal communities?" Workshop (Tromsø, Norway 2011, 2 days).
- Arctic Frontiers – Arctic Tipping Points, conference (Tromsø, Norway 2011, 5 days).
- Film-making workshop with Randy Olson at Arctic Frontiers Young Scientist Forum (Tromsø, Norway 2011, 4 days).
- Norwegian-Russian workshop on "Effect from the king- and snow crab on Barents Sea benthos" (Tromsø, Norway, 2010, 3 days).
- Belpasso International Summer School on Environmental and Resource Economics, "The Economics of Ecosystem Services and Biodiversity Conservation" (Belpasso, Italy, 2010, 7 days)
- PhD course on Choice Modelling organized by FAME (Centre for Fisheries and Aquaculture, Management and Economics). (Esbjerg, Denmark, 2010, 5 days)
- The value of our marine environment (Stockholm, Sweden, 2009, 2 days).
- 14th Russian-Norwegian Fishery Science Symposium – The Kamchatka (red king) crab in the Barents Sea and its effects of the Barents Sea Ecosystem (Moscow, Russia, 2009, 3 days)
- Arctic Frontiers –The age of the Arctic, conference and PhD workshop (Tromsø/Lofoten 2009, 10 days).
- Årsmøtet 2008 for Norske Havforskeres Forening (annual meeting of the Norwegian Marine Scientist Organisation). (Tromsø, Norway 2008, 3 days).
- Workshop at Akvaplan-Niva with StatoilHydro: "From risk assessment to impact evaluation: how can the better predict and document true ecosystem impacts from industry activities in the Arctic marine environment?" (Tromsø, Norway 2008, 1 day).
- "The 14th Biennial Conference of the International Institute of Fisheries Economics and Trade" (IIFET) (Nha Trang, Vietnam 2008, 4 days).
- EAERE PhD summer school "Trade, Property Rights and Biodiversity" (Venice, Italy 2007, 7 days). Was awarded a book for good presentation at the summer school.
- MarBEF Training Course on "Valuation Methodologies for the Marine Environment" (Faro, Portugal 2007, 4 days).
- Arctic Frontiers conference and PhD workshop (Tromsø 2007, 10 days).

- Audited the Fisheries 501 course “Using ecosystem modelling for fisheries management”, University of British Columbia, Canada (2007).
- PhD. Course on topics in environmental and resource economics –ecosystems, management and marine reserves. Univeristy of Tromsø, Norway (2006, 5 days).
- INCOFISH Work Package 6&8 joint workshop meeting, Pattaya, Thailand (2006, 5 days).
- INCOFISH Work Package 4&5 joint workshop meeting, London, United Kingdom (2006, 5 days).
- Specialised training course in the Ecopath with Ecosim approach, University of Cape Town, South Africa (2005, 5 days).
- The joint Russian-Norwegian mini-symposium on the red king crab, Institute of Marine Research, Tromsø, Norway (2005, 3 days).
- Conference on the management plan of the Barents Sea, Polarmiljøsenteret, Tromsø, Norway (2005, 2 days).
- BENEFIT/NRF/BCLME International stock assessment workshop, University of Cape Town, South Africa (2004, 5 days).
- Working group of “Benthic animals as ecosystem indicators”, Institute of Marine Research, Tromsø (2004, 2 days).
- Workshop “Harvest control rules for fisheries management”, Institute of Marine Research, Bergen (2004, 2 days).
- Symposium ”Quantitative ecosystem indicators for fisheries management” (Paris 2004, 5 days).
- Course in cultural understanding and communication, Tromsø (2003, 2 days).
- Seminar at Murmansk State Technical University: “Current state and problems of fisheries in the Barents region” (2003, 4 days).
- Workshop at Institute of Marine Research, Tromsø. ”General knowledge on alien species- and applicable basis in managing the introduced species Red King Crab in the Barents Sea” (2003, 2 days).
- French language course in Nice at Ecole France Langue (2003, 3 weeks).
- Workshop for PhD students on the EU water framework, Tallinn, Estonia (2002, 4 days).
- International language course in Germany arranged by EU language travels (1996, 3 weeks).

Publications

- PhD thesis “Management of the alien invasive red king crab – Integrating natural and social science perspectives”, March 2012.
- Falk-Petersen, J., Renaud, P. and Anisimova, N. 2011. “Establishment and ecosystem effects of the alien invasive red king crab in the Barents Sea”. Ices Journal of Marine Science, 68 (3): 479-488.
- Armstrong, C.W. and Falk-Petersen, J. 2008. “Habitat-fisheries interactions. A missing link?” ICES Journal of Marine Science, 65: 817-821.
- Falk-Petersen, J, Bøhn, T. and Sandlund, O.T. 2006. ”On the numerous concepts in invasion biology”. Biological Invasions, 8: 1409-1424.

- Falk-Petersen, J. 2004. Master of Science thesis ”Ecosystem effects of red king crab invasion –a modelling approach using Ecopath with Ecosim”.
- Sarah Gaichas[1*], Georg Skaret[2], Jannike Falk-Petersen[3], Jason S. Link[4], William Overholtz[4], Bernard A. Megrey[1], Harald Gjoesaeter[2], William Stockhausen[1], Are Dommasnes[2], Kevin Friedland[5], and Kerim Aydin[1] . 2009. “A comparison of community and trophic structure in five marine ecosystems based on energy budgets and system metrics”. Progress in Oceanography, 81: 47-62.

- Jason S. Link[1], William Stockhausen[2], Georg Skaret[3], William Overholtz[1], Bernard A. Megrey[2], Harald Gjøsæter[3], Sarah Gaichas[2], Are Dommasnes[3], Jannike Falk-Petersen[4], Joseph Kane[5], Franz Mueter[6], Kevin Friedland[5] and Jon Hare[5]. 2009. “A comparison of biological trends from four marine ecosystems: synchronies, differences, and commonalities”. Progress in Oceanography, 81: 29-46.
- John G Pope[a,*], Jannike Falk-Pedersen[a], Simon Jennings[b], Jake C. Rice[c], Henrik Gislason[d] and Niels Daan[e]. 2009. “Honey, I cooled the cods: Modelling the effect of temperature on the structure of Boreal/ Arctic fish ecosystems”. Deep-Sea Research Part II, 56: 2097-2107.

<u>Submitted</u>

- Falk-Petersen, J. and Armstrong, C. “To have one’s cake and eat it
  - managing the alien invasive Barents Sea red king crab stock”. Marine Resource Economics.
- Falk-Petersen, J. Option lost or opportunity gained? Perceptions on the Barents Sea red king crab invasion. Environmental Values.

<u>In prep:</u>

- Claire W. Armstrong, Jannike Falk Petersen, Naomi S. Foley, Rob Tinch & Sybille van den Hove. A deliberative approach to valuing cold water corals – investigating opportunity costs and the precautionary principle.

Reports

- Falk-Petersen, J. 2005. “Ecosystem effects of the red king crab invasion – Ecopath with Ecosim as a management tool?” Extended summary of presentation at the joint Russian-Norwegain mini symposium on the red king crab, Institute of Marine Research, Tromsø.
- Falk-Petersen, J. 2005. Management of the North East Arctic saithe from the 1970s to 2004. (Report written for Ola Flåten, Norwegian College of Fishery Science).
- Falk-Petersen, J. 2005. Management of the Norwegian Spring Spawning Herring from the 1970s to 2004. (Report written for Ola Flåten, Norwegian College of Fishery Science).
- Pedersen, T. and Falk-Petersen, J. 2005. Working group report “Trophic model solutions from Ecopath as indicators of red king crab impact on soft bottom

communities" *in* "The scientific basis for environmental quality objectives (EcoQOs) for the Barents Sea ecosystem".

Talks/presentations

- "Sustainable management of the alien invasive red king crab – a contradiction of terms? " Arctic Frontiers – Arctic Tipping Points, conference (Tromsø, Norway 2011, 5 days).
- "Economic valuation of marine ecosystem services", November 2010. Institute of Marine Research, Tromsø.
- "Invasions and Impacts". Norwegian-Russian workshop on "Effect from the king- and snow crab on Barents Sea benthos" (Tromsø, Norway, 2010, 3 days).
- "Schizophrenic fisheries management – the case of the red king crab management". Belpasso International Summer School on Environmental and Resource Economics, "The Economics of Ecosystem Services and Biodiversity Conservation" (Belpasso, Italy, 2010, 7 days)
- "Economic valuation of marine ecosystems". August 2010. Arctos Colloquium at University of Tromsø organised by Margrethe Aanesen and Jannike Falk-Petersen.
- "Why, what and how to count the uncountable? -an introduction to valuation". March 2010. Seminar series on economic valuation of marine ecosystem goods and services at University of Tromsø organised by Margrethe Aanesen and Jannike Falk-Petersen.
- 'The quest for the true value of the red king crab invasion'. March 2010. Seminar series on economic valuation of marine ecosystem goods and services at University of Tromsø organised by Margrethe Aanesen and Jannike Falk-Petersen.
- 'Bio-economic modelling of the red king crab invasion in the Norwegian part of the Barents Sea'. 14th Russian-Norwegian Fishery Science Symposium (Moscow 11-13 August 2009). The Kamchatka (red king) crab in the Barents Sea and its effects on the Barents Sea ecosystem.
- 'Establishment and ecosystem effects of the alien invasive red king crab (*Paralithodes camtschaticus*) in the Barents Sea'. 14th Russian-Norwegian Fishery Science Symposium (Moscow 11-13 August 2009). The Kamchatka (red king) crab in the Barents Sea and its effects on the Barents Sea ecosystem.
- "Bio-economic modelling of the red king crab invasion in the Norwegian part of the Barents Sea". Årsmøtet 2008 for Norske Havforskeres Forening (annual meeting of the Norwegian Marine Scientist Organisation).
- "Ecosystem-based modelling for management of the Barents Sea -the Ecopath with Ecosim software". Workshop at Akvaplan-Niva with StatoilHydro: "From risk assessment to impact evaluation: how can the better predict and document true ecosystem impacts from industry activities in the Arctic marine environment?"
- "Bio-economic modelling of the red king crab invasion in the Norwegian part of the Barents Sea". "The 14th Biennial Conference of the International Institute of Fisheries Economics and Trade" (IIFET)

- “Bio-economic modelling of the red king crab invasion in the Norwegian part of the Barents Sea”. Presentation at the EAERE PhD summer school, Venice (2007).
- “The importance of benthos for the Barents Sea ecosystem”. Presentation at the MarBEF workshop, Faro (2007).
- “Arctic systems: are they vulnerable?”. Presentation at Arctic Frontiers PhD workshop, University of Tromsø (2007).
- “The red king crab invasion in the Barents Sea – pest or blessing?”. Seminar series at University of British Columbia Fisheries Centre Canada (2006).
- ‘Bio-economic analysis in Ecopath with Ecosim’. PhD course on topics in environmental and resource economics –ecosystems, management and marine reserves. Univeristy of Tromsø, Norway (2006).
- ‘Indicator of overcapacity using Ecopath with Ecosim’. INCOFISH WP 6&8 joint workshop meeting, Pattaya, Thailand (2006).
- ‘Ecopath with Ecosim - a crash course’. MaReMa seminar, University of Tromsø, Norway (2006).
- ‘Ecosystem effects of the red king crab invasion – Ecopath with Ecosim as a management tool?’ Presentation at the joint Russian-Norwegain mini symposium on the red king crab, Institute of Marine Research, Tromsø (2005).
- ‘Ecosystem management of the red king crab.’ Working group meeting “Benthic animals as ecosystem indicators”, Institute of Marine Research, Tromsø (2005).
- ‘Ecosystem effects of the red king crab invasion – Ecopath with Ecosim as a management tool?’. Presentation at the workshop “Harvest control rules for fisheries management”, Institute of Marine Research, Bergen (2004).
- ‘Ecosystem effects of red king crab invasion – a modelling approach using Ecopath with Ecosim’. Lecture at “Akvasem” (seminar at Norwegian College of Fishery Science) (2004).
- ‘Studies and research at the Norwegian College of Fishery Science’. Talk at Murmansk State Technical University: “Current state and problems of fisheries in the Barents region” (2003).

Posters

- “Bio-economic modelling of the red king crab invasion in the Norwegian part of the Barents Sea”. Arctic Frontiers Conference and PhD workshop –The age of the Arctic (2009)
- “Ecosystem-based modelling for management of the Barents Sea benthos and related fisheries”. Arctic Frontiers conference and PhD workshop (2007).

Newspaper articles and other media

- “The crab line” 2 minute you tube video on the alien invasive red king crab. Published on Facebook Biology/ University of Tromsø
- “The tag is not enough” 1 minute you tube video on migration of Atlantic salmon. http://www2.uit.no/ikbViewer/page/nyheter/artikkel?p_document_id=221134
- “Catch life” Recruitment movie for biology studies at University of Tromsø. http://www2.uit.no/ikbViewer/page/nyheter/artikkel?p_document_id=235090

- “Giant king crab population?” (Gigantisk kongekrabbebestand). Fiskeribladetfiskaren, 06.11.09.

Work experience

- Working on the EU project HERMIONE on a project determining the economic value of cold water corals (2011-2012).
- PhD position at Akvaplan-niva/ University of Tromsø (2006-2012).
- Seminar leader, fisheries economy, University of Tromsø (2007)
- Research assistant at the EU project INCOFISH for Dr. Claire Armstrong, Norwegian College of Fishery Science (2006).
- Centre coordinator for the Centre for Marine Resource Management, Norwegian College of Fishery Science (2005).
- Scientist at Institute of Marine Research, Tromsø (2005).
- Research assistant for Dr. Petter Holm, Norwegian College of Fishery Science (2005).
- Research assistant for Dr. Ola Flåten, Norwegian College of Fishery Science (2005).
- Working group “The Scientific Basis for Environmental Quality Objectives (EcoQOs) for the Barents Sea ecosystem” (2004/2005).
- Eggvind scholarship from the Institute of Marine Research (2004).
- University scholarship at Norwegian College of Fishery Science (2004, 3 months).

Voluntary work

- The Norwegian Trekking Association –avalanche rescue workshops (2011)
- Red Cross –training to become a part of the winter rescue group since 2009
- Cashier and member of administration of Tromsø Capoeira club (2006-2007).
- Representing the Master students in the International Committee at Norwegian College of Fishery Science (2003-2004).
- Member of the student’s interest group at Norwegian College of Fishery Science (2003).
- Representative for Norwegian College of Fishery Science at the student council of University of Tromsø (2003).
- Working with children in the townships of Cape Town through the organisation Masizame/SHAWCO (2000-2002).
- Contact person for Norwegian Students Abroad (ANSA) in South Africa (2001-2002).
- Student representative for philosophy of science students at University of Tromsø (autumn1998).

Other courses

- Snow profile observer course with NVE and NGI (Tamokdalen, Norway, 2 days, 2011)

- Avalanche instructor (course 1of 2) with Den Norske Turistforening (4 days, 2010).
- Climbing instructor I –indoor climbing (2008)
- First aid course with Tromsø Red Cross (2008, 30 hours)
- Avalanche rescue course with Tromsø Red Cross (2008)