

CV – Jari Liski

1. Full names

Liski, Jari Olavi

Male, born 1967, Finn

2. Current position

Research Professor since October 2016, Head of [Climate System Research Unit](#) 2018-2021, Finnish Meteorological Institute

3. Previous professional appointments

Full time (reported here since 1992)

Research Professor February 2012-September 2016, Leading Research Scientist May 2010-January 2012, Senior Researcher March 2004-April 2010, Finnish Environment Institute SYKE

Research Fellow of the Academy of Finland September 2003-February 2004, Senior Researcher August 2000-August 2003, Research Scientist January 1998-July 2000, European Forest Institute

Secretary January 1998-July 1999, Project Manager October-December 1997, Finnish Society of Forest Science

Research Scientist October 1992-September 1997, Research Assistant September-October 1992, Department of Forest Ecology, University of Helsinki

Teaching Assistant March-July 1992, Department of Plant Biology, University of Helsinki

Part time (reported here since 1996)

Consultant (guidelines for soil carbon monitoring) January-April 2011, UN-FAO FOMRD

Consultant (forest carbon budget calculations) June 2007, UPM-Kymmene

Consultant (Temperate and Boreal Forest Resource Assessment 2000) January 1999-May 2000 (several periods), UN-ECE Timber Committee

Secretary (governmental review of an IPCC Special Report) October 1999-April 2000 (several periods), Finnish Ministry of the Environment

Participant in the Young Scientist Summer Program June-August 1996, International Institute of Applied Systems Analysis, Austria

4. Education

Doctor of Science (Agriculture and Forestry, main subject Silviculture), Faculty of Agriculture and Forestry, Department of Forest Ecology, University of Helsinki, June 1997

Master of Science (Agriculture and Forestry, main subject Forest Pathology), Faculty of Agriculture and Forestry, Department of Plant Biology, University of Helsinki, October 1992

Docent, Forest Soil Science, University of Helsinki, February 2007

5. Academic awards and honours

Cajander bronze medal, the Finnish Society of Forest Sciences, May 2015

Knight, First Class, of the Order of the Lion of Finland, December 2015

The Medal of the Finnish Society of Forest Sciences, April 2009

The Award of M.Sc. thesis, Finnish Society of Forest Sciences, April 1993

The Award of M.Sc. thesis, Faculty of Agriculture and Forestry, University of Helsinki, June 1992

6. Research funding

A total of 5 141 511 euro for 32 projects, of which Academy of Finland (5 projects) 2 032 373 euro, Strategic Research Council in the Academy of Finland (1) 1 052 963 euro, Business Finland (1) 598 000 euro, Nessling Foundation (3) 435 625 euro, European Commission (4) 298 030 euro, Finnish Innovation Fund SITRA (1) 240 000 euro, Ministry of Agriculture and Forestry in Finland (6) 201 339 euro, ERA-NET (1) 179 000 euro and Ministry of Environment in Finland (4) 157 231 euro.

Academy of Finland, "Integrated Atmospheric and Earth System Science Research Infrastructure (Consortium INAR RI Agriculture)", 2020-2023, 243 203 euro, Person in charge of the Finnish Meteorological Institute contribution

Strategic Research Council, The Academy of Finland, "Multi-benefit solutions to climate-smart agriculture (MULTA)", 2019-2022, 1 052 963 euro (Finnish Meteorological Institute share), Person in charge of the Finnish Meteorological Institute contribution and Leader of the entire consortium granted 4 640 883 euro

Nessling Foundation, "Luonnon monimuotoisuuden vaikutus viljelymaiden hiilensidontaan", 2019-2021, 63 750 euro (Finnish Meteorological Institute share), Person in charge of the consortium granted 255 000 euro

Business Finland, CARBO – Verification of carbon sequestration in grass fields (CARBO-CREDIT), 2019-2020, 598 000 euro, Person in charge of the project

SITRA, "Hiilipilotti – Soil carbon sequestration pilot project", 2017-2019, 240 000 euro, Person in charge of the scientific research in the project

ERA-NET FACCE ERA-GAS, "Mobilizing and Monitoring Climate Positive Efforts in Forests and Forestry", 2017-2020, 179 000 Euro, Person in charge of the Finnish Meteorological Institute contribution

Academy of Finland, "Accumulation of stable organic carbon in soil (ACCUSOIL)", 2016-2020, 499 562 Euro, Person in charge of the project

UPM Raflatac, "Label pulp and forest ecosystem services (LABEL-ECO)", 2016, 36 750 Euro, Person in charge of the work in the Finnish Environment Institute

Energimyndigheten, "Kolmodelleringens betydelse for klimatbedömningar av skoglig bioenergi i Sverige/Finland", 2016-2017, 35 800 euro, Person in charge of the Finnish Environment Institute contribution

Ministry of Environment, "Improvement of Yasso soil carbon model for greenhouse gas inventories", 2015, 35 111 Euro, Person in charge of the project

Cluster for energy and environment CLEEN and Finnish Bioeconomy Cluster FIBIC, "Sustainable Bioenergy Solutions for Tomorrow", 2013-2014, 24 100 Euro, Person in charge of the contribution of the Natural Environment Centre in the Finnish Environment Institute

Nessling foundation, "Climate impacts of forest bioenergy", 2014, 11 250 Euro, Person in charge of the project

Nessling foundation, "Climate impacts of forest bioenergy", 2013, 21 800 Euro, Person in charge of the project

Nessling foundation, "Climate impacts of forest bioenergy", 2012, 25 500 Euro, Person in charge of the project

Ministry of Environment, "Forest bioenergy and reliability of estimates for greenhouse gas emissions", 2011-2012, 39 720 Euro, Project coordinator

Nessling foundation, "Climate impacts of forest bioenergy", 2011, 25 500 Euro, Person in charge of the project

- Academy of Finland, "Soil organic carbon decomposition under a changing climate: distinguishing intrinsic properties of carbon compounds from environmental constraints on decomposition (DECORATE), 2011-2014, 796 860 Euro, Person in charge of the project
- Ministry of Agriculture and Forestry, "Greenhouse gas emission scenarios for agriculture, forestry and other land use (GAF)", 2010-2012, 220 000 Euro for a consortium of four partners, 45 400 Euro share of the Finnish Environment Institute, PI of the Finnish Environment Institute contribution
- Ministry of Environment, "Renewable energy sources promoted according to RES-sustainability criteria: forest bioenergy and climate impacts", 2010, 29 400 Euro, Project coordinator
- Ministry of Agriculture and Forestry, Ministry of Environment, "Testing the validity of Yasso07 soil carbon model using empirical datasets", 2010-2011, 74 500 Euro for a consortium of two partners, PI of the Finnish Environment Institute contribution
- European Commission, "GHG-Europe - Greenhouse gas management in European land use systems", 2010-2013, 70 000 Euro, PI of the Finnish Environment Institute contribution
- Ministry of Agriculture and Forestry, "Development of a model for estimating soil carbon stock changes agricultural soils", 2009-2012, 112 000 Euro for a consortium of two partners, PI of the Finnish Environment Institute contribution
- Nessling foundation, "Soil carbon cycling in Earth System Model", 2009, 36 696 Euro, Person in charge of the consortium
- Swedish Environmental Protection Agency, "Verifiering av markkol", 2008-2009, 11 550 Euro, PI
- Ministry of Agriculture and Forestry, "Development of a calculation method for estimating soil carbon stock changes in deforestation and afforestation", 2008-2009, 122 000 Euro for a consortium of three partners, PI of the Finnish Environment Institute contribution
- European Commission, DG Environment, "Review of existing information on the interrelations between soil and climate change - CLIMSOIL", 2008, 22 780 Euro, PI
- Nessling foundation, "Soil carbon cycling in Earth System Model", 2008, 22 780 Euro, Person in charge of the consortium
- Nessling foundation, "Soil carbon cycling in Earth System Models", 2007, 37 099 Euro, Person in charge of the consortium
- European Commission, "The nitrogen cycle and its influence on the European greenhouse gas balance (NitroEurope IP)", 2006–2010, 35 000 Euro, PI of the Finnish Environment Institute contribution
- Ministry of Agriculture and Forestry, "Metsikön kasvatus muuttuvassa ilmastossa - yleisen mallisysteemin kehittäminen ja soveltaminen mäntymetsiin", 2006–2008, 37 500 Euro for a consortium of four partners, PI of the Finnish Environment Institute contribution
- Ministry of Agriculture and Forestry, "Planning of a national research programme on adaptation to climate change", 2005, 12 647 Euro, PI
- Academy of Finland, "Climatic effects on soil carbon – distinction between young and old carbon, and new future scenarios", 2005–2008, 291 680 Euro, Person in charge of the project
- European Commission, Forest Focus Pilot Project - New Monitoring Module, "Monitoring changes in the carbon stocks of forest soils", 2005–2006, 340 500 Euro for a consortium of two partners, Person in charge of the European Forest Institute contribution
- Ministry of Environment, Ministry of Agriculture and Forestry, "Uncertainty assessment of Forest Carbon Balance", Finnish Environmental Cluster Research Programme, Third Phase

Ecoefficient Society, September 2003–December 2005, 53 000 Euro, PI of the European Forest Institute contribution

Academy of Finland, "Integrated method to estimate carbon budgets of forests", Research Programme on Sustainable Use of Natural Resources, April 2001–May 2004, 120 035 Euro, Person in charge of the consortium and PI of the European Forest Institute contribution

Academy of Finland, "Cross-disciplinary approach to determination of carbon balance of forests", January 2001-December 2003, 81 033 Euro, PI of the European Forest Institute contribution

7. Other academic and professional activities

Leadership in research work

Founder and Coordinator of research on the [Carbon Action platform](#) aiming at enhancing soil carbon sequestration in agriculture since April 2017 (10 projects March 2020)

Founder and Coordinator of the development of [Yasso soil carbon model](#) since 2000

Leader of an own research group in the Finnish Environment Institute 2004-2016 and Finnish Meteorological Institute since 2016

Principal investigator in five research projects funded by the European Commission since 2001

Leader of four national research consortiums since 2001

Principal investigator in 32 research projects since 2000

Coordinator of research theme "Carbon and greenhouse gas budgets of ecosystems" in the Research Programme for Global Change in the Finnish Environment Institute, 2006-2009

Review of doctoral theses

Reviewer November 2016 and May 2004, Department of Physics, University of Helsinki

Reviewer May 2020, Department of Forest Sciences, University of Helsinki

Co-examiner December 2004, Swiss Federal Institute of Technology Zürich

Member of the Evaluation Committee December 2001, Department for Production Ecology, Opponent September 2001, Department of Forest Soils, Swedish University of Agricultural Sciences

Review of docent applications

Reviewer May 2013, Faculty of Science and Forestry, University of Eastern Finland

Reviewer November 2007 and May 2007, Faculty of Agriculture and Forestry, Univ. of Helsinki

Review of master's theses

Reviewer May 2007, Department of Forest Ecology, University of Helsinki

Review of research fund applications

Tiina and Antti Herlin Foundation, 2016, 2018

Natural Environment Research Council, UK, 2005, 2008

Finnish Forest Research Institute, 2005

European Science Foundation, 2003, 2004, 2005, 2006

Finnish Society of Forest Sciences, 1998, 1999

Grant Agency of the Czech Republic, 1998

Review of manuscripts for scientific journals

Climatic Change, Canadian Journal of Forest Research, Ecology, Ecosystems, Environmental Modeling and Software, Environmental Science and Policy, European Journal of Soil Science, Forest Ecology and Management, Forest Ecosystems, Geoderma, Global Biogeochemical Cycles, Global Change Biology, Journal of Geophysical Research –

Biosciences and – Earth Sciences, Mitigation and Adaptation Strategies for Global Change, Nature Comm., Silva Fennica, Soil Biology and Biochemistry, Suo, Tree Physiology

Memberships and positions of trust in professional bodies

Invited expert (agriculture) May 2019, Finnish government negotiations

Member since 1997, Secretary January 1998-July 1999, Finnish Society of Forest Science

Secretary January 1998-July 1999, International Union for the Forest Research Organizations, Finnish board

Member 1997-2002, Board member March 1997-March 1999, Finnish Society of Environmental Sciences

Memberships in committees

Member June 2020-December 2023, Monitoring group of climate activities in the land-use sector, Ministry of Agriculture and Forestry in Finland

Reference group member, Research project “Forest Soil C in Norway – validation and methods for UNFCCC/KP”, Norwegian Forest and Landscape Institute, Norway, 2013

Delegate of Finland and the Second Person in Charge of the Action in Finland 2009-2013, Action ES0805 "The Terrestrial Biosphere in the Earth System", Delegate of Finland and Person in Charge of the Action in Finland 2006-2009, Action 639 "Greenhouse gas budget of soils under changing climate and land use (BurnOut)", COST (European Cooperation in the Field of Scientific and Technical Research)

Working group member 2004-2005, Finnish adaptation strategy to climate change, Ministry of Agriculture and Forestry

Steering committee member 2002-2006, European Science Foundation à la carte research program “Role of Soils in the Terrestrial Carbon Balance”

Contact Person of a ESF - European Science Foundation à la carte research program “Role of Soils in the Terrestrial Carbon Balance “ 2001-2006, Research Council for Biosciences and Environment, Academy of Finland

Member of the Steering Committee 2003-2005, Research programme “Land use strategies for reducing net greenhouse gas emissions” (LUSTRA) in Sweden,

Vice-member 2000-2002, Member 2003-2006, Member 2007-2010, Working group on Land Use, Land Use Change and Forestry issues in the United Nations Framework Convention on Climate Change, Ministry of Agriculture and Forestry

8. Publications

Articles in international peer-reviewed journals (published or accepted for publication): 80

Citation statistics: Sum of times cited 5260, h-index 41 (ISI Web of Knowledge, 28 April 2020), Sum of times cited 10 351, h-index 50 (Google Scholar, 28 April 2020)

Articles in international scientific compilation works and international scientific conference proceedings with referee practice: 8, Scientific monographs: 2, Other scientific: 31

Popular articles: 10, TV interviews: 27, TV documentaries of own research: 2, Radio interviews: 9, Written media interviews about 150