

Markku Kanninen

Professor of Tropical Silviculture
Director of Viikki Tropical Resources Institute (VITRI),
University of Helsinki, Department of Forest Sciences
P.O. Box 27
FI-00014 University of Helsinki
Finland
Tel. +358 50 4486 133
E-mail: markku.kanninen@helsinki.fi



PROFILE

Dr. Markku Kanninen is an expert in tropical forestry, climate change, forest ecology, and forest management. He has published over 300 publications, including over 100 internationally peer-reviewed scientific articles. He holds a Dr.Sc. degree from the University of Helsinki, Finland. He has been involved in tropical forest research for about 35 years. Prior to his current position, he was Director of the Environmental Services and Sustainable Use of Forests Program of CIFOR (2003-2010); Deputy Director General of CATIE (Costa Rica) (1996-2003); and earlier the Director of The Finnish Research Program on Climate Change (1990-1995).

He has been involved in science policy dialogue on forests and climate change for about 25 years. He has been actively involved in the work of the Intergovernmental Panel on Climate Change (IPCC) since 1990. Currently, he is the member of the 15-person Finnish Climate Panel. He is a member of the Finnish Academy of Sciences and Letters. He received the Nobel Peace Prize as a member of the IPCC in 2007.

Degrees

Title of Docent (Adjunct Professor) in silviculture, University of Helsinki, 1987
Doctor of Science (Forestry), University of Helsinki, 1985
Licentiate of Science (Forestry), University of Helsinki, 1982
Master of Science (Forestry), University of Helsinki, 1977
Forester, University of Helsinki, 1977

Language skills

Finnish (mother tongue), English (excellent), Spanish (excellent), Bahasa Indonesia (good), Swedish (good), German (some), Portuguese (some).

Expertise

Tropical forestry, tropical forest ecosystems in the context of climate change adaptation and mitigation, carbon sequestration, management of tropical forests, plantations, and landscapes.

Current position

2010 to present Professor of Tropical Silviculture & Director, Viikki Tropical Resources Institute (VITRI), University of Helsinki, Department of Forest Sciences.
Seconded Principal Scientist (50% of time) at Center for International Forestry Research (CIFOR) (September, 2016-August, 2017).

Employment history (past 25 years)

2003-2010 Director, Environmental Services and Sustainable Use of Forests Program, Center for International Forestry Research (CIFOR).
2002-2003 Deputy Director General, CATIE-Tropical Agriculture Research and Higher Education Centre (Costa Rica)
1996-2001 Director, Research Program, CATIE-Tropical Agriculture Research and Higher Education Centre (Costa Rica)
1990-1995 Director, The Finnish Research Program on Climate Change (SILMU) (Finland)

Selected international experience (past 25 years)

2017-	IPCC, Lead Author (Chapter 5) of IPCC Special Report on 1.5 Degrees.
2008-2017t	UNFCCC Adaptation Fund Board, Member of the Board.
2011-2014	IUFRO: Chair of the Climate Change Task Force.
2006-2010	CPF - Collaborative Partnership on Forests - Joint Initiative on Science and Technology. Member of the Steering Committee.
2006	IPCC, Reviewer of 2006 IPCC Guidelines for National Greenhouse Gas Inventories.
2002-2003	IPCC, Lead Author (Chapter 4.3) of IPCC Good Practice for Land-Use, Land-Use Change and Forestry.
2001-2010	IUFRO: World Forests, Society and Environment (WFSE), Special Project. President, Scientific Advisory Council.
1998-2000 (1 month/year)	Nicaragua. Expert on climate change. Environmental Program in Nicaragua, Support to implementation of international conventions on climate change.
1994-1995	European Union/DG XII. Programme Committee of the Research Programme on Environment and Climate, Representative of Finland.
1994-1995	European Union/DG XII. ENRICH Council (European Network In Global Change Research), Representative of Finland.
1992-1993	Ministerial Conference on the Protection of Forests in Europe, co-chair of the working group on "Strategies for a process of long-term adaptation of forests of Europe to climate change".
1992-1993	Member of the IPCC/OECD Expert Advisory Group on forestry and land use in inventories of net greenhouse gas emissions.
1992-1993	IUFRO. Member of the task force "Forest, climate change and air pollution".
1991-1995	IPCC WG III, Representative of Finland.
1991-1995	Intergovernmental Negotiating Committee for a Framework Convention on Climate Change (INC): member of the delegation of Finland
1990-1993	IPCC WG III, Agriculture and Forestry subgroup, Representative of Finland.

Other professional activities**Executive positions & membership in committees and panels**

2006-2010	CPF - Collaborative Partnership on Forests - Joint Initiative on Science and Technology. Member of the Steering Committee.
2001-2010	IUFRO: World Forests, Society and Environment (WFSE), Special Project. President, Scientific Advisory Council.
1994	European Union/DG XII. Member of the international evaluation team for the ex-post evaluation of Research Programmes STEP and EPOCH (1989-1993).
1993-1995	Member of the International Scientific Advisory Committee of the Arctic Centre, Rovaniemi, Finland.
1993	Sweden. The Royal Academy of Sciences. Member of an international evaluating committee for the evaluation of environmental research in Sweden.
1991-1995	Nordic Environmental Research Programme: member of the expert committee on climate change research.

Expert in development projects (past 35 years)

1982-2000 (short-term)	In total app. 36 months of field work as short-term expert – project evaluation, preparation and implementation in the following countries: Brazil, Mexico, Nepal, Nicaragua, Burkina Faso, Sierra Leone, SADD Region in Southern Africa (regional), Central America (regional).
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Scientific journals& books

2012 to present	The Earthscan Forest Library (Routledge), Series Editor
2004-2007	Forest Ecology and Management: Member of the Editorial Advisory Board
2004-2008	Silva Fennica: Member of the Editorial Board
1985-1990	Acta Forestalia Fennica and Silva Fennica: Editor-in-Chief
	Reviewer for scientific publications, including: Agriculture, Ecosystems and Environment; Agroforestry Systems; Ambio; Climate Policy; Forest Ecology and Management; Journal of Geophysical Research; Mitigation and Adaptation Strategies for Global Change; Nature Communications; PlosONE.

Executive and expert positions in Finland

2011 to present	The Finnish Climate Panel, Member
1992-1995	The Ibero-American Foundation (Finland), Founder and Member of the Board
1990-1995	The Finnish National IGBP Committee, General Secretary
1985-1990	The Finnish Society of Forest Science, Secretary

Thesis supervision

University of Helsinki, Finland - principal supervisor: 12 PhD students; 16 MSc students (co-supervisor: 3 PhD students) (2005-2016).
 CATIE, Costa Rica (1996-2003) - principal supervisor: 2 PhD students; 14 MSc students.
 Wageningen University, The Netherlands - co-supervisor: 1 MSc student.

Thesis evaluation – doctoral dissertations**Opponent (external examiner)**

3 PhD dissertations - Universities of Eastern Finland, Turku, and Joensuu (Finland) (1992-2013)

External examiner

1 PhD thesis, University of Melbourne (Australia) (2014)

Official pre-examiner (peer-reviewer)

15 PhD theses (1987-2016).

Referee for docent (“adjunct professor”) positions

2007	University of Helsinki, Faculty of Agriculture and Forestry – tropical silviculture: Dr. Mohammed Eldafl.
2001	University of Helsinki, Faculty of Agriculture and Forestry – environmental conservation in developing countries: Dr. Anja Nygren.
1992	University of Helsinki, Faculty of Agriculture and Forestry – forest ecology: Dr. Pekka Kauppi.

Other qualifications

2007	Nobel Peace Prize – a as member of the IPCC, Intergovernmental Panel on Climate Change.
2004	Invited to be a member of the Finnish Academy of Science and Letters.

Publications

Google Scholar (March 2017): h-index 35, i10-index 89, 5369 citations. In total, 316 publications.

Altogether 343 publications:

• Books and monographs	42
• Papers in refereed scientific journals	79
• Chapters in books	45
• Papers in conference proceedings	70
• Papers in technical journals	42
• Reports and other publications	30
• Articles in periodicals, magazines and newspapers	20
• Course compendiums and reports	8
• Computer software	7
	343

(Updated: March 2017)