

1. NAME, YEAR OF BIRTH: Sakari Kuikka, 1960

2. ACADEMIC DEGREES

12.11.1987 Msc in Fisheries Management, University Of Helsinki

29.5.1998 PhD in Fisheries Management, University of Helsinki. Thesis: Uncertainty analysis in fisheries management science – Baltic Sea applications

3. DOCENTSHIPS

22.11.1999 Adjunct professorship in Fisheries Management, University of Helsinki

4. CURRENT POSITION

Professor in Fisheries Science, University of Helsinki Department of Environmental Sciences, permanent position, starting 1.1.2004

5. PREVIOUS POSITIONS

Assistant in Fisheries Science, Department of Limnology, University of Helsinki, 1985 - 1987

Research Officer, Finnish Game and Fisheries Research Institute, 1987 - 1991

Head of Statistical and Economic Studies, Finnish Game and Fisheries Research Institute 1991 - 1993

Senior Scientist, Finnish Game and Fisheries Research Institute 1993 - 1995

Senior Scientist, Finnish Environment Institute, 1995 - 1996 Topic: uncertainty analysis of climatic change

Senior Scientist, Finnish Game and Fisheries Research Institute 1996 –

6. MOST IMPORTANT VISITS ABROAD

Visiting Scientist, University of Tromsø, Norway 1991

Visiting scientist, Commonwealth Science and Industry research Organisation (CSIRO), Hobart, Australia, 2000 – 2001.

7. MOST IMPORTANT SCIENTIFIC AND ACADEMIC ADMINISTRATIVE TASKS

8. MOST IMPORTANT ACADEMIC AWARDS, MEMBERSHIPS IN SCIENTIFIC ACADEMIES

9. MOST IMPORTANT RESEARCH FUNDING

Currently FEM group (Kuikka as head of the group) has the following projects and their FEM budget shares: CEARTIC: risk analysis of Arctic sea areas (shipping)

420 000 euros., 30MILES: Analysis of recreational harbors. 370 000 euros (PI Annukka Lehtikoinen), GOHERR program: risks caused by dioxine, 410 000 euros, MINOUW: Bayesian model to estimate fisheries discards. 81 000 euros, MAREFRAME: Ecosystem Approach to Fisheries.,419 000 euros, SMARTSEA/STN: methods to support the blue growth in Bothnian Bay. 781 000 euros, WISE: decision making under uncertainty in wicked problems 915 000 euros. The total budget of ongoing projects is 3.4 million over the whole project lives.

Previous projects:

OILRISK. Risk analysis of oil spill accidents. 419 000 euros, PROBAPS. Government tools to manage the risks caused by agriculture. 245 000 euros, IBAM (EU framework program, Kuikka as coordinator) Several risk factors impacting at the same time in the Baltic Sea 362 000 euros., JAKFISH (EU framework program). How stakeholders utilize the scientific knowledg. 476 000 euros, SAFGOF. Risk analysis methods for shipping in the Gulf of Finland. 422 000 euros, EVAHER (EU framework program). Risk analysis methodology for the dioxin risks. 192 000 euros, PRONE (EU framework program, Kuikka as coordinator).. General risk analysis methodology for fisheries management. 348 000 euros, POORFISH (EU framework program) Methodology for poorly known fish stocks. 210 000 euros, OILECO Methodology for areal oil spill risk analysis methodology. 303 000 euros, EVAGULF Methodology for management in Water Framework Directive. 676 000 euros, ECOKNOWS (EU framework program, Kuikka as coordinator), Bayesian methodology in fisheries management. 1 100 000 euros, MIMIC Methodology for the shipping in the Gulf of Finland. 241 000 euros, MULTIDOM. Methods for the assessment of dissolved organic matter. 130 000 euros, ECOSEAL. Stock assessment methods for seal populations. 211 000, TOPCONS: Producing a marine spatial planning tool for decision making. 346 000 euros

10. RESEARCH LEADERSHIPS AND DOCTORAL THESIS SUPERVISED

Acting as the Head of Fisheries and Environmental Management Group, University of Helsinki, Department of Environmental Sciences.

Supervised PhD thesis: PhD. Outi Heikinheimo (finalized 2003), PhD Mika Rahikainen (finalized 2005), PhD Jani Pellikka (finalized 2005), PhD Laura Uusitalo (FEM group, finalized in 2007), Päivi Haapasaari (FEM group, finalized in 2012), Teppo Juntunen (University of Helsinki, FEM group, finalized in 2013), Henni Pulkkinen (FEM group, finalized 2014), Annukka Lehtikoinen (FEM group, finalized in 2014), Inari Helle (FEM group, finalized in 2015), Riikka Venesjärvi (FEM group, finalized 2016).

11. OTHER SCIENTIFIC EXPERT DUTIES AND ACHIEVEMENTS

Evaluated as qualified to the professorship of Fisheries Management, University of Helsinki, 2001.

Evaluator and expert of several international scientific organisations (e.g. International Council for the Exploration of the Sea, National Science Foundation of USA, Commission of European Union)

Member of Scientific, Technical and Economic Committee for Fisheries (European Commission) 1997 – 2001, again between February 2003 – January 2008, re-elected in January 2008, re-elected in spring 2011.

Member of ICES Advisory Committee for Fisheries Management, 1999 -2000

Member of ICES Management Committee, since 1997

Member of ICES Baltic Salmon and Trout Assessment Working Group

Teaching in the University of Helsinki, Fisheries science and in the Helsinki University of Technology

Consultant for the Foreign Ministry of Finland, planning of the second phase of Lake Tanganyika Research, 1996

Coordinator of EU – funded project PROMOS – Probabilistic Modelling of Baltic Salmon Stocks with three different participating countries, 2000 - 2002

Coordinator of EU – funded 6th framework STREP project PRONE – Precautionary risk methods for fisheries, 2006 - 2008

Coordinator of EU – funded 7th framework project ECOKNOWS – Improving fisheries assessment methods by integrating new sources of biological knowledge, 2010 - 2014

Coordinator of EU framework – Academy of Finland projects IBAM and GOHERR

12. OTHER SCIENTIFIC ACTIVITIES

Referee in several journals (Can. J. Fish. Aqua. Sci, ICES J. Mar. Sci., Fish. Biol., AMBIO, Env. Man., etc.)

Evaluator of the proposals of the Research Council of Norway, 2007, Estonian research council 2008.

Evaluator of EU framework/H2020 proposals 2002, 2003, 2008, 2017

13. SCIENTIFIC AND SOCIETAL IMPACT OF RESEARCH

Fisheries and Environmental Management Group (lead by S. Kuikka), together with prof. Jukka Corander's group, was evaluated to be "outstanding" in the international evaluation of research and doctoral training at the University of Helsinki 2005-2010. The group was selected to be third of whole University in the societal impact category. By the MNCS and MNJS indexes, which describe the quality of publications, the group was classified 9th and 10th among all 136 research groups.

Membership in advisory bodies ensures the use of scientific results in societal use. Like can be seen from the most cited publications below, the scientific work is focused on important applications, which increases the societal impact.

The full publication list can be found [here](#)

H Index is 28 (23.8.2018).

The H index and most cited publications can be found at:

[Citations of publications](#)

The total number of publications is 343, and 76 of these are in refereed journals.