

## CV: HEISKANEN, ANNA-STIINA

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Date of CV: 06.04.2022

## DEGREES

01.06.1998 Doctor of Philosophy, Hydrobiology, University of Helsinki, Finland.

12.12.1991 Licentiate in Philosophy, Hydrobiology, University of Helsinki, Finland.

10.12.1987 Master of Science, Hydrobiology, University of Helsinki, Finland.

30.12.1998, Title of docent: Marine Biology, University of Helsinki, Finland.

## CURRENT EMPLOYMENT

01.01.2017 - 31.12.2022 Director, Professor, Finnish Environment Institute SYKE, Helsinki.

## PREVIOUS WORK EXPERIENCE

01.04.2016- 31.03.2020 Research Professor, Finnish Environment Institute (SYKE), Helsinki

01.04.2009 – 31.12.2016 Head of Unit, Finnish Environment Institute (SYKE), Helsinki

01.05.2008 - 31.08.2010 Professor, Finnish Environment Institute (SYKE), Helsinki

16.10.2000-31.05.2008 Scientific officer, Action leader, European Commission, Directorate general Joint Research Centre, Ispra, Italy.

01.08.1995-15.10.2000 Research and Senior Scientist, Finnish Environment Institute, Helsinki.

1991-1995 Research assistant, Academy of Finland.

1990-1993 Research assistant, Department of Biology, University of Jyväskylä, on leave.

1987-1990 Research scientist, University of Helsinki, Tvärminne Zoological Station.

## SIGNIFICANT RESEARCH FUNDING AND GRANTS

01.09.2022-31.08.2026 HORIZON-CL6-2021-BIODIV-01-16, *BIONEXT - The biodiversity Nexus: Transformative change for sustainability*. My role: Coordinator (Grant agreement negotiations on-going).

01.01.2022 - 31.12.2024 Academy of Finland (RRF National Research Infrastructures).

*Hydrological Research Infrastructure Platform*. My role: SYKE PI.

01.07.2020 - 31.12.2022 [Hydrological RDI partnership network](#); Academy of Finland, My role: SYKE Principal investigator (PI)/ Responsible leader

01.01.2018-31.12.2023 Strategic Research Council, *Enhancing Adaptive Capacity for Sustainable Blue Growth (BlueAdapt)*. My role: Consortium director.

01.01.2014 - 31.12.2017 BONUS (Viable ecosystem) and Academy of Finland, COCOA - Nutrient COcktails in COAstal zones of the Baltic Sea, My role: Work Package (WP) leader, SYKE PI

01.10.2012-30.9.2016 EU FP7, *DEvelopment Of innovative Tools for understanding marine biodiversity and assessing good Environmental Status-DEVOTES*, WP leader, SYKE PI

01.05.2009- 30.04.2013 EU FP7. *Knowledge based management of European Seas (KnowSeas)*. WP leader, SYKE PI.

01.02.2009-31.01.2011 EU FP7, *Water bodies in Europe: Integrative Systems to assess Ecological status and Recovery (WISER)*. Leader of the Dissemination Module, SYKE PI.

01.06.2008-31.12.2013 *European Environment Agency's European Topic Centre for Water*, SYKE PI and Task leader for the Marine Ecosystem Services Assessment and Marine Eutrophication.

01.12.2003 – 31.05.2007 EU FP6 *Relationships between ecological and chemical status of surface*

waters (REBECCA; SSPI-CT-2003-502158). JRC PI, WP leader.

01.12.2001- 30.11.2004 EU FP5 *Characterisation of the Baltic Sea Ecosystem: Dynamics and Function of Coastal Types* (EVK1-2001-00080 CHARM). JRC PI, WP leader.

## **LEADERSHIP EXPERIENCE**

01.01.2017-31.12.2022 Leader of the SYKE Freshwater Centre responsible for research and hydrological expert services in Finland and for the coordination and development of the monitoring, assessment, management and restoration of inland water quality and biodiversity, water information systems, international water RDI and service projects; and expert services for the Ministry of Environment, and Ministry of Agriculture and forestry, and regional administrations in Finland, with ca. 100 researchers and experts.

1.1.2014-31.12.2016 Leader of the *Marine monitoring and assessment unit* supporting the EU Marine Strategy Directive planning and implementation in Finland and in the Baltic Sea Region (HELCOM level), managing national and EU-projects for development of the good environmental status and marine biodiversity indicators and assessment systems (ca. 12-15 researchers and experts).

01.05.2008-31.03.2009, Leader of the SYKE *research programme on Protection of the Baltic Sea*, leading a research unit supporting ministry of Environment in Finland and HELCOM in solutions for developing cost effective protection measures, ca. 20 researchers and experts;

01.01.2004-30.04.2008, Action leader, European Commission DG Joint Research Centre, Ispra, Italy, *research action (ECOWAT) providing scientific and technical support for the EU-level implementation of the Water Framework Directive*, including coordination of the ecological status intercalibration of the inland and coastal waters in the European Union. The action had ca. 20 researchers and experts;

## **MOST IMPORTANT TEACHING AND LECTURING (SINCE 2016)**

2019 and 2020 Lecturer Helsinki University course: *Diagnosis of environmental problems in aquatic ecosystems*. Lecture: *Diagnosis of policy needs in the EU Water Framework Directive*.

2018. Lecturer [EUROMARINE](#) Academy Summer School: *Blue Growth: can marine environment support growth maintaining good ocean health?* San Sebastian, Spain

2016 Lecturer [EUROMARINE](#) Summer School “*Marine ecosystem services, management and governance: linking social and ecological research*”, San Sebastian (Spain).

## **AWARDS, PRIZES AND HONOURS**

2010 Nomination in the Tieto-Finlandia - Annual competition for the best popular science book in Finland: Bäck et al. (eds.) 2010: *Itämeren Tulevaisuus* (Future of the Baltic Sea). Gaudeamus, Helsinki; Certificate of Appreciation: Best Peer Reviewed Article (2006), and Excellence Award for Support to EU Policy (2005) awarded by the EC Joint Research Centre.

## **OTHER SCIENTIFIC AND ACADEMIC ACHIEVEMENTS (SELECTED)**

### **Examiner/ opponent in Ph.D. Dissertations**

Between 2020 and 2003 acting as grading committee member and pre-examiner, Helsinki University, Finland; Evaluation committee member, Gothenburg University and Umeå University, Sweden; Opponent, Turku University, Finland and Stockholm University, Sweden.

### **Evaluation of research proposals**

2021 Reviewer AXA Research Fund and IOC-UNESCO joint call: “*Towards more resilient Coastal Livelihoods*” contributing to the fulfilment of Ocean Decade Challenges.

2021 [PRIMA](#) Foundation, Chair of the expert panel for the evaluation of the grant proposals for the Thematic Area 4 – *Nexus management Water Energy-Food-Ecosystems*, [Topic 1.4.1](#) (IA) *Leveraging knowledge on the Nexus management of Water-Energy-Food-Ecosystems resources in the Mediterranean region: from concepts to practical solutions*. 30.3.2021-12.11.2021

2020 [PRIMA](#) Foundation, Chair of the expert panel for the evaluation of the grant proposals for the Thematic Area 4 – *Nexus: Topic 1.4.1* (IA) *Demonstrating benefits of the Water-Ecosystem-Food Nexus approach in delivering optimal economic development, achieving high level of environmental protection and ensuring fair access to natural resources*, 13.05.2020 – 20.11.2020

2010- 2015 Maj and Tor Nessling Foundation - Member of the scientific evaluation panel  
2013 Reviewing research applications for the Swedish Environmental Protection Agency.

### **Memberships in most relevant scientific boards and committees**

2022-2024 Member of the [Research Council for Biosciences, Health and the Environment](#), of the Academy of Finland;

2022-2024 Member of steering group for the research programme on [Climate Change and Health \(CLIHE\) - Academy of Finland \(aka.fi\)](#) under the Academy of Finland.

### **Most important other expert duties and national representations**

2022-2024 *UNECE Convention on the Protection and Use of Transboundary Watercourses and International Lakes* ([Water Convention](#)), up-coming Co-chair of the [Monitoring and assessment](#) working group, and up-coming Member of the [Bureau](#) of the Water convention (starting from the election of new co-Chairs at the next meeting of the Working Group in June 2022).

2020- Chair of the *Water Protection Group, Finnish-Russian Transboundary* [Water Commission](#)

2019- 2023 Chair of the [EurAqua](#) - European Network of Freshwater Research Organisations

2014-2015 Member of the evaluation committee of the *Norwegian environmental research institutions*. Norges Forskningsråd/ invited by the Research Council of Norway.

2010-2014 Chair of the *HELCOM Monitoring and Assessment Group* [MONAS](#)

2010-2013 Member of the *National Coordination Group for Marine Research in Finland*

2009-2010 Member of the *EU-level expert working group for EU Marine Strategy Directive Good environmental status (GES) 'Eutrophication' task group* (coordinated by JRC and ICES)

2003-2008 Co-Leader of the EU expert Working Group on Ecological Status, under the Common Implementation Strategy (CIS) of the EU Water Framework Directive (WFD).

2001-2003 Leader of the EU-level Working Group Intercalibration under the Common Implementation Strategy (CIS) of the Water Framework Directive (WFD)

2000-2001 Member of the *Expert Group on Ocean and Climate Research*, set by the Nordic Council of Ministers (mandate from the Academy of Finland).

2000-2001 Member of the working group: “*State and future aspects of the Baltic Sea Research in Finland*” set by the Academy of Finland on June 27, 2000, until March 31, 2001

### **SCIENTIFIC AND SOCIETAL IMPACT**

Contributions for the preparation: Research and competence agenda for the [Blue Bioeconomy](#) in Finland, 2017-2018; Monitoring programme and the Programme of measures for the implementation of the [EU Marine Strategy Framework Directive in Finland](#), 2014-2015; [Guidance documents](#) for the Common Implementation Strategy of the EU Water Framework Directive (No. 2,6, 13, and 14) and the Commission Decisions (2008/915/EC) and (2005/646/EC), 2001-2008.