



The role of the Royal Swedish Academy of Agriculture and Forestry is to promote agriculture and forestry and related activities for the benefit of society, with the support of science and practical experience. The Academy was founded in 1811 at the initiative of Karl XIV Johan and started its work on 28 January 1813.

Seminar

Sustainable Aquaculture at local and global scales

Time	Thursday 21 March, at 10.30–16.30 (registration and coffee from 10.00)
Venue	Kungl. Skogs- och Lantbruksakademien, Drottninggatan 95 B, Stockholm, Sweden
Registration	No later than 18 March via this link or through our website www.ksla.se Cancellations must be made no later than 19 March, or we will invoice SEK 500 to cover costs.
Fee	No fee
Webb	The seminar will be broadcast at www.ksla.se
Questions	Content: Eva Ronquist, eva.ronquist@ksla.se , tel + 46 8 54 54 77 06 Registration: Gun Askerö, gun.askero@ksla.se , tel + 46 8 54 54 77 12 This seminar is financed by the Knut and Alice Wallenberg foundation.

Aquaculture is said to be the world's fastest growing food enterprise. It supplies a growing global population with nutritious food from aquatic animals and plants. However, the production forecasts to 2050 show that global aquaculture production will remain dominated by Asia (~80–90% of world production) while the rest of the world shows very little or no growth. Hyperinflation of the global growth of aquaculture outside of Asia confuses policy-makers, journalists, and the public and may lead to misperceptions that aquaculture is growing massively everywhere and must be severely regulated.

Professor Barry Costa-Pierce, University of New England, is a leading scientist within the fields of fisheries and aquaculture. He takes on the real-world problem of food sufficiency through transdisciplinary research, including ecological, economic and social aspects of sustainable aquaculture. Professor Costa-Pierce is the 4th holder of the KSLA Wallenberg professorship. During his year in Sweden, Professor Costa-Pierce has been working at SWEMARC, the Mariculture Research Centre at the University of Gothenburg. Along with his research, he has been instrumental in developing graduate programs, training the next generation of ocean food systems professionals, in Gothenburg, Scandinavia and the US.

In his keynote speech, Professor Barry Costa-Pierce will talk about the development of a transdisciplinary, ecosystems ecology framework that identifies the diversity of fisheries and aquaculture production systems as well as the modelling of functional connections between the systems. He underlines the need for a broader understanding of the typologies and local to global value chains. His speech will be followed by presentations by international and national researchers on sustainable aquaculture connected closely to fisheries, marine ecosystems, communities, and the global to local context of coastal developments.

Welcome!

Eva Pettersson
Secretary General and Managing Director of the Academy



Programme

Sustainable Aquaculture at local and global scales

Thursday 21 March 2019

Moderator Professor Kristina Snuttan Sundell, University of Gothenburg

10.00 **Coffee and registration**

10.30 **Welcome to KSLA**

Eva Pettersson, Secretary General and Managing Director, KSLA

10.45 **KSLA lecture**

Barry Costa-Pierce, Wallenberg Professor, Gothenburg and New England, USA

11.45 **Carrying capacities for Aquaculture**

Carrie Byron, Assistant Professor, University of New England, USA

12.15 **Lunch**

13.15 **Perspectives on Sustainable Aquaculture**

Max Troell, Associate Professor, The Beijer Institute at The Royal Swedish Academy of Sciences /Stockholm Resilience Centre

13.45 **A global perspective on Integrated Multi-Trophic Aquaculture: IMTA is a concept, not a formula”.**

Thierry Chopin, Professor, University of New Brunswick, Canada

14.15 **Circular systems from water to land: the use of fish manure from aquaculture in agriculture**

Jean W. H. Yong, Professor, Swedish University of Agricultural Sciences, Uppsala

14.45 **Coffee**

15.15 **Sustainable Aquaculture and Aquafeeds in Sweden**

Anders Kiessling, Professor, SLU

15.35 **Sustainable marine Aquaculture and Aquafeeds in Sweden**

Kristina Snuttan Sundell, Professor, Swemarc, University of Gothenburg

15.55 **Prospects for a growing biomarine industry in Sweden**

Susanne Lindegärth, PhD, Swemarc, University of Gothenburg

16.15 **Final remarks**

Kristina Snuttan Sundell och Anders Kiessling

16.30 **Informal discussions and refreshments**

The Knut and Alice Wallenberg Foundation has donated SEK 12 million to the Royal Swedish Academy of Agriculture and Forestry on the occasion of the Academy's 200th anniversary. With the funds, the Academy has announced one-year guest professorships for researchers of the highest international standard in the fields of the Academy. Professor Barry Costa-Pierce is the fourth holder of this professorship. During his year in Sweden, Professor Costa-Pierce has been working at the University of Gothenburg.