

Alyson Barratt
Rural Development & Food Marketing
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Research interests

Animal Health Economist with work focused on the economics of animal health and welfare, prevention and control of animal disease. In collaboration with colleagues from SRUC and other institutes, I am developing frameworks for cost benefit and economic welfare analysis that can be applied to future disease scenarios. My work focusses on the application of these methods to a number of diseases in dairy and beef cattle in Scotland and the UK. In addition, my research focuses on farmer behaviour in response to disease control options and antimicrobial resistance. I would like my work to contribute to a better integration between economics and epidemiological research in the field of animal health and welfare.

Qualifications

Master, University of Plymouth
Sep 2004 → Aug 2005

PhD, Institute of Biological and Environmental Sciences, University of Aberdeen
Sep 2010 → Sep 2014

Bachelor, University of Southampton
Sep 1999 → Jul 2002

Employment

Animal Health Economist

Rural Development & Food Marketing
Scotland's Rural College
1 Apr 2016 → present

Postdoctoral Research Fellow

Institute of Biological and Environmental Sciences, University of Aberdeen
United Kingdom
1 Mar 2015 → 1 Sep 2015

Fisheries Economist

Centre for Environment, Fisheries and Aquaculture Science
United Kingdom
1 Dec 2005 → 1 Sep 2010

Research outputs

Framework for estimating indirect costs in animal health using time series analysis

Barratt, AS., Rich, K. M., Eze, JI., Porphyre, T., Gunn, GJ. & Stott, AW., 2019, *Proceedings of the 2nd ISESSAH Conference 2018*. Vol. 6. 18 p. 190. (Frontiers in Veterinary Science).

Financial vulnerability of dairy farms challenged by Johne's disease to changes in farm payment system

Shrestha, S., Vosough Ahmadi, B., Barratt, AS., Thomson, SG. & Stott, AW., 18 Dec 2018, In : *Frontiers in Veterinary Science*. 5, 9 p., 316.

A framework for estimating society's economic welfare following the introduction of an animal disease: the case of Johne's disease

Barratt, AS., Arnoult, MH., Vosough Ahmadi, B., Rich, KM., Gunn, GJ. & Stott, AW., 6 Jun 2018, In : PLoS ONE. 13, 6, 26 p., e0198436.

Projects

Antimicrobial Resistance (AMR)

Gomes, C., Tongue, S., Shrestha, S., Henry, M., Reeves, A., Barratt, A., McCann, C., Stephen, K., Humphry, R. & Baughan, J.

Department for Environment, Food and Rural Affairs

14/02/19 → 31/03/22

Estimating the economic costs of bovine TB incidents on cattle farms in the high risk edge areas of England and Wales

Barnes, A., Stott, A., Toma, L., Vosough Ahmadi, B., Barratt, A. & Hutchings, M.

Department for Environment, Food and Rural Affairs

18/06/18 → 31/10/19

Improving the control of liver fluke infection in cattle in the UK - FLAG

Tongue, S., Stott, A., Weldegebriel, H., Vosough Ahmadi, B., Milne, C., Gomes, C., Eze, J., Henry, M. & Barratt, A.

1/10/13 → 31/07/18

RESAS Centres of Expertise: EPIC

Gunn, G., Toma, L., Tongue, S., Auty, H., Gomes, C., Eze, J., Sparks, N., Hutchinson, I., Reeves, A., Stirling, J., Barratt, A. & Barnes, A.

RESAS

1/04/19 → 31/03/20

Understanding the Relative Cost-effectiveness of Sea-lice Treatments for Farmed Salmon Production

Toma, L., Shrestha, S., Reeves, A., Barratt, A., Leinonen, I. & Boerlage, A.

Scottish Government

1/08/19 → 31/03/20