

## Thematic Research Sessions 2021-22

### Livestock and Aquaculture Session 2: Breeding Objectives

3<sup>rd</sup> March 2022, 10:00 – 15:00

*Session via Teams*

#### Session Description:

Following the domestication of livestock about ten thousand years ago, humans have successfully secured a reliable source of animal protein which now includes a wide variety of species including sheep, cattle, pig, chicken and fishes. A dramatic increase in food production efficiency has also been possible because of the developments in breeding programs which are driven by selection of stocks with favourable traits such as fast growth, high meat quality, and disease resistance. Presently, breeding technologies and farming systems continue to advance at an unprecedented pace for both livestock and aquaculture, however this has also raised concerns regarding animal ethics and welfare. This second thematic research session on livestock and aquaculture consists of four presentations which will discuss the recent developments, future directions, and ethical considerations surrounding breeding in livestock and aquaculture.

#### Session Schedule:

10:00	<b>Welcome and Introduction</b>
10:15	<b>Opinion Poll</b>
10:30	<b>“Ethics of poultry breeding”</b> – Dr Laura Dixon
11:10	<i>Coffee break</i>
11:20	<b>“Breeding practices: developing countries”</b> – Dr Gabor Meszanos
12:00	<i>Lunch break</i>
13:00	<b>Quiz</b>
13:15	<b>“Present and future of genetic improvement in aquaculture”</b> – Dr Diego Robledo
13:55	<i>Screen break</i>
14:00	<b>“Changes in breeding practices”</b> – Dr Susanne Erikson
14:40	<b>Opinion Poll and Discussion</b>
15:00	<b>Summary and Closing Remarks</b>

#### Session Organizers:

- Ellie Hewett (Ellie.Hewett@sruc.ac.uk)
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Let us know if you have any queries.