



Securing a prosperous future for the Scottish livestock sector

15th July 2022





Prof. Jude Cappe





Sustainability comprises three pillars, all under the umbrella of One Health



Human Health

Source: Created by Dr. Jude L. Capper, 2020.





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Guilt is a primary motivator for people considering going vegetarian or vegan

"I sometimes feel guilty when consuming meat and dairy products"

and flexitarians
thinking of giving up
meat said "yes"
compared to 25% of
national population

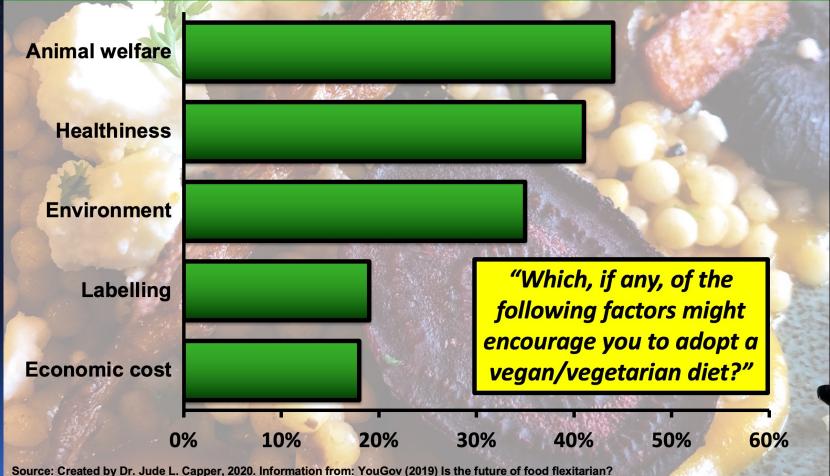


Source: Created by Dr. Jude L. Capper, 2020. Information from: YouGov (2019) Is the future of food flexitarian? https://yougov.co.uk/topics/resources/articles-reports/2019/03/18/future-food-flexitarian



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Animal welfare and human health are major concerns for people giving up animal products



https://yougov.co.uk/topics/resources/articles-reports/2019/03/18/future-food-flexitarian

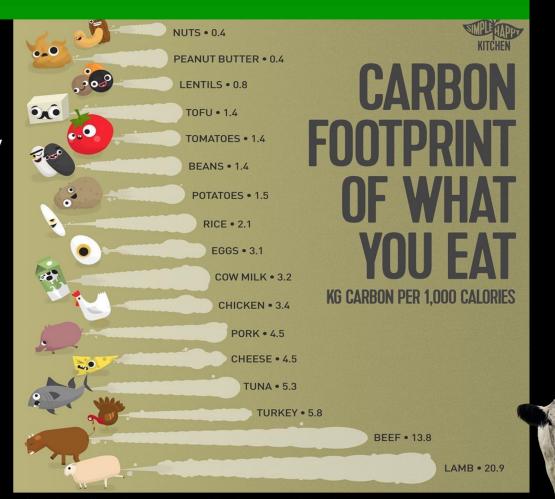


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Global averages are meaningless

The carbon footprints of the foods we eat vary considerably global average figures are inappropriate when food production is regional

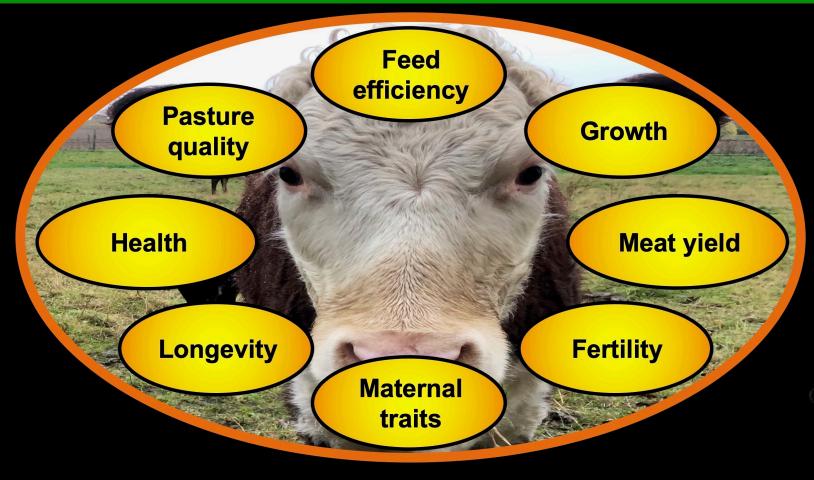


Source: Created by Dr. Jude L. Capper, 2020, infographic from: https://www.instagram.com/simple_happy_kitchen/



Source: Created by Dr. Jude L. Capper, 2020

Improving key performance indicators reduces environmental impacts





GHG benefits of dairy-beef now recognized – sucklers will need to demonstrate benefits

Annual requirements of one suckler cow:

- •3,954 kg feed DM
- 20,047 litres water
- 2,459 kg CO₂

Need to justify these impacts vs. beef from dairy.

Source: Created by Dr. Jude L. Capper, 2021. Calculation based on feed and water requirements of one Angus cow weighing of milk per day, with calf weaned at 207 days of age.



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Can we grow human food crops everywhere?

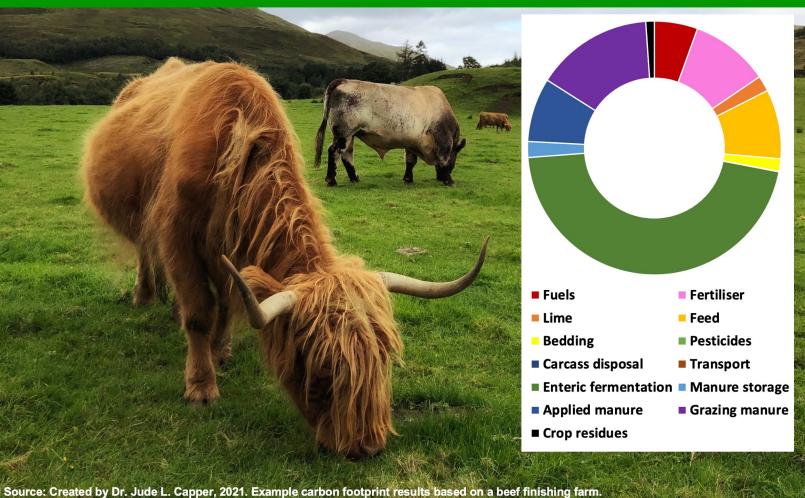




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Standard footprinting tool urgently needed across the industry

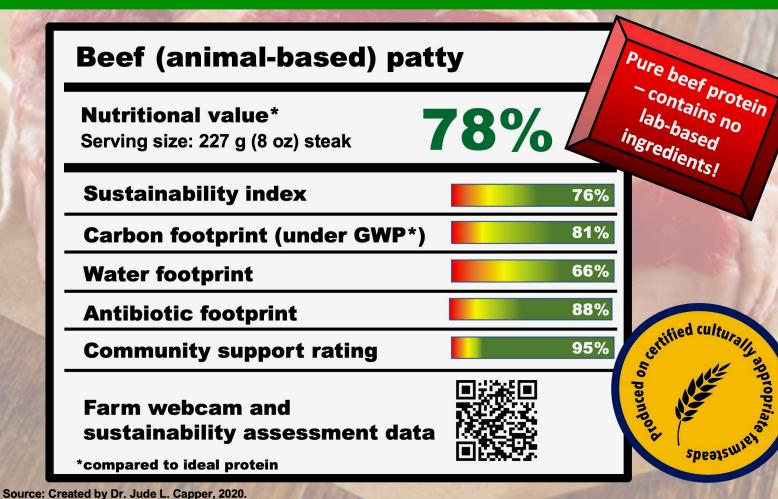




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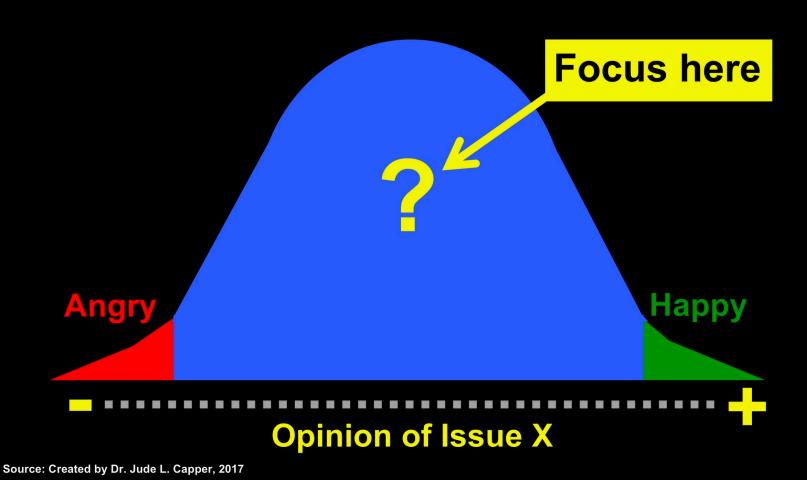
Sustainability indices will be increasingly present on meat labels in future







We need to communicate with consumers who don't yet have fixed opinions of agriculture





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Thank you!

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Source: Created by Dr. Jude L. Capper, 2020. Cartoon from: http://snipurl.com/methanecartoon