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GLOBAL RESEARCH ALLIANCE
ON AGRICULTURAL GREENHOUSE GASES

Animal Selection Genetics & Genomics Network

ASGGN

Suzanne Rowe

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ON AGRICULTURAL GREENHOUSE GASES

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Animal Selection, Genetics and Genomics Ne...
57 posts

Following

Animal Selection, Genetics and Genomics Network

@ASGGN_GRA

ASGGN is a forum for scientists exploring the impact of genetic technologies for managing livestock greenhouse gas emissions.

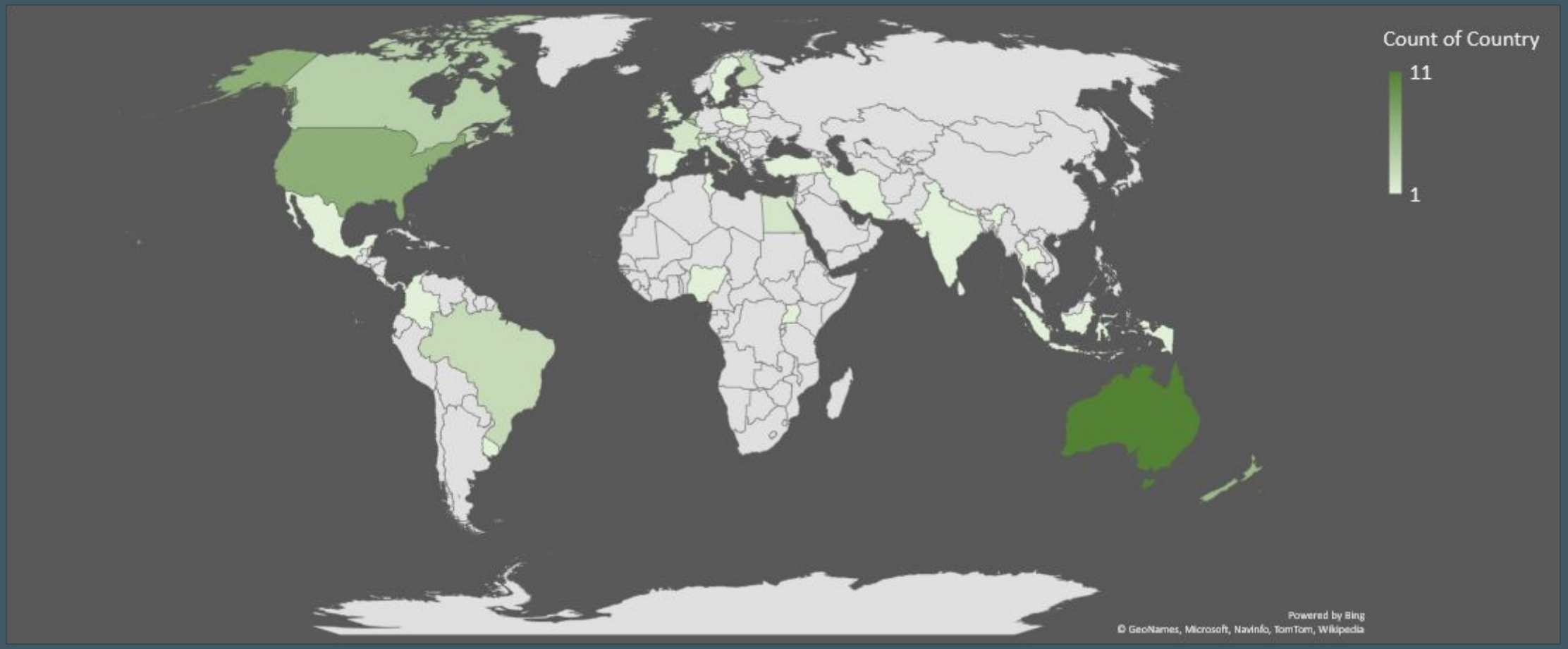
New Zealand
Joined September 2018

65 Following **449** Followers

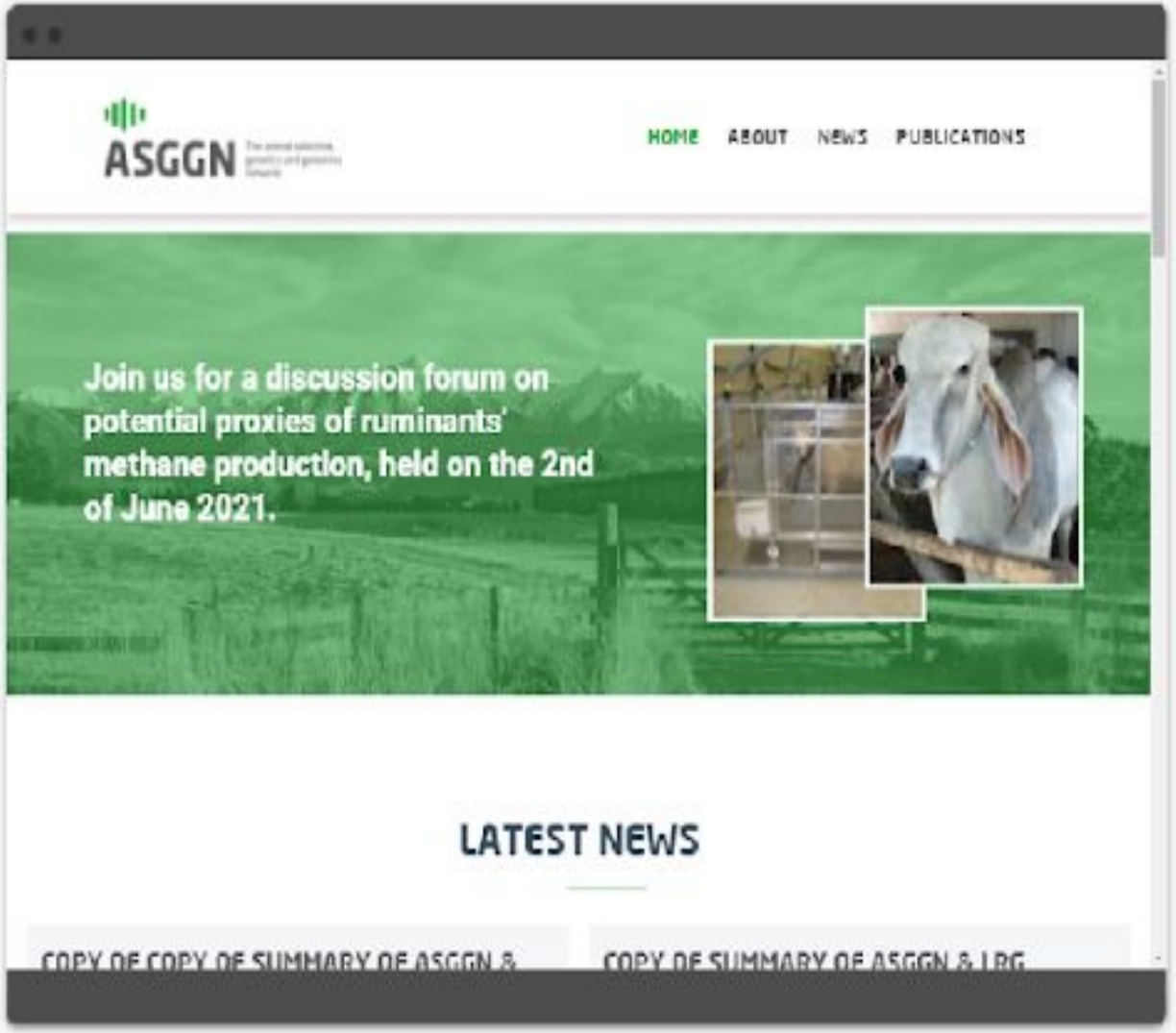
Followed by ILIA RUKIN, WCGALP2026, and 70 others you follow

@ASGGN_GRA

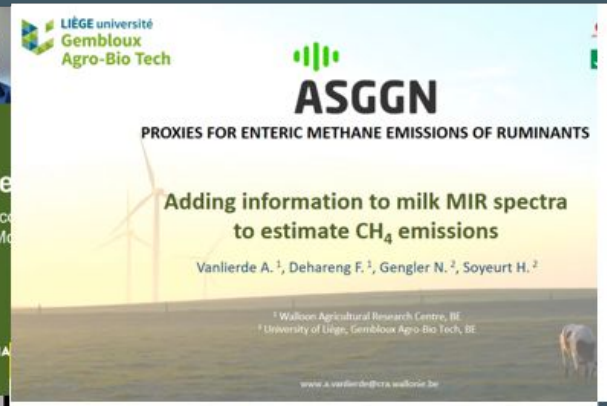
ASGGN Group Members

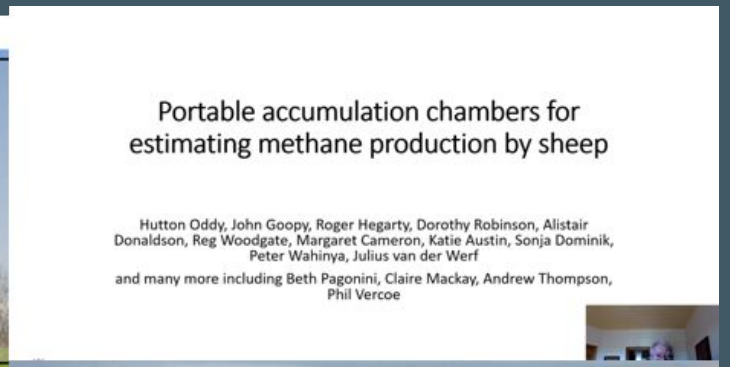


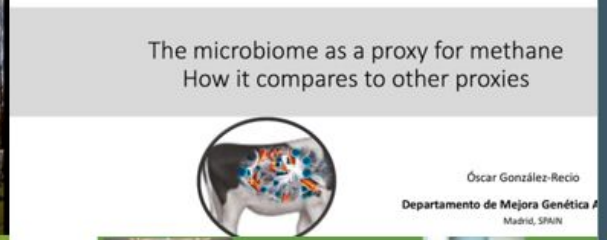
https://www.asggn.org

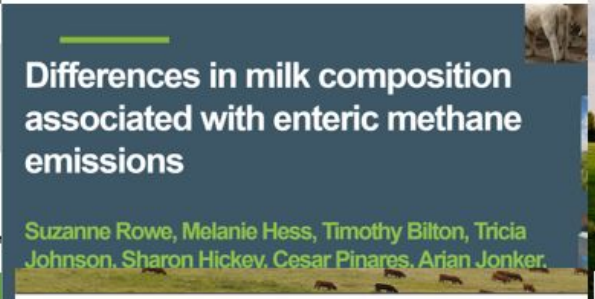


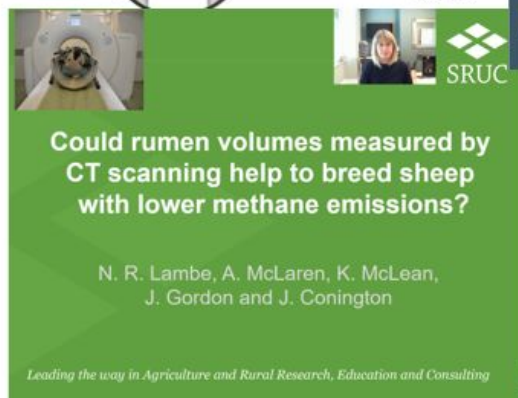
ASGGN – GRA livestock Network







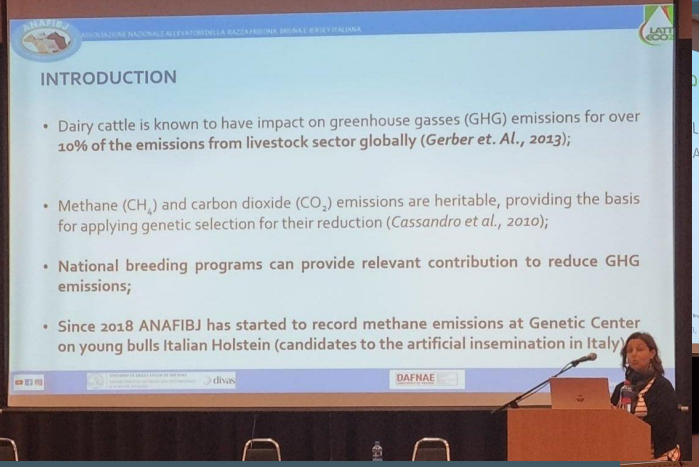




World Congress on Genetics Applied to Livestock Production

Rotterdam | The Netherlands

3 - 8 July 2022



75 Participants from 25 countries

8 Talks

Mix of sheep, beef and dairy cattle

Mix of technologies and methods

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Enteric Flagship 2018

Total number of samples: 1106
Number of datasets: 7
Number of countries: 5

Brazil:
138 samples
Buffalo Bulls
Feed:
- Natural grass
- Wet & dry seasons

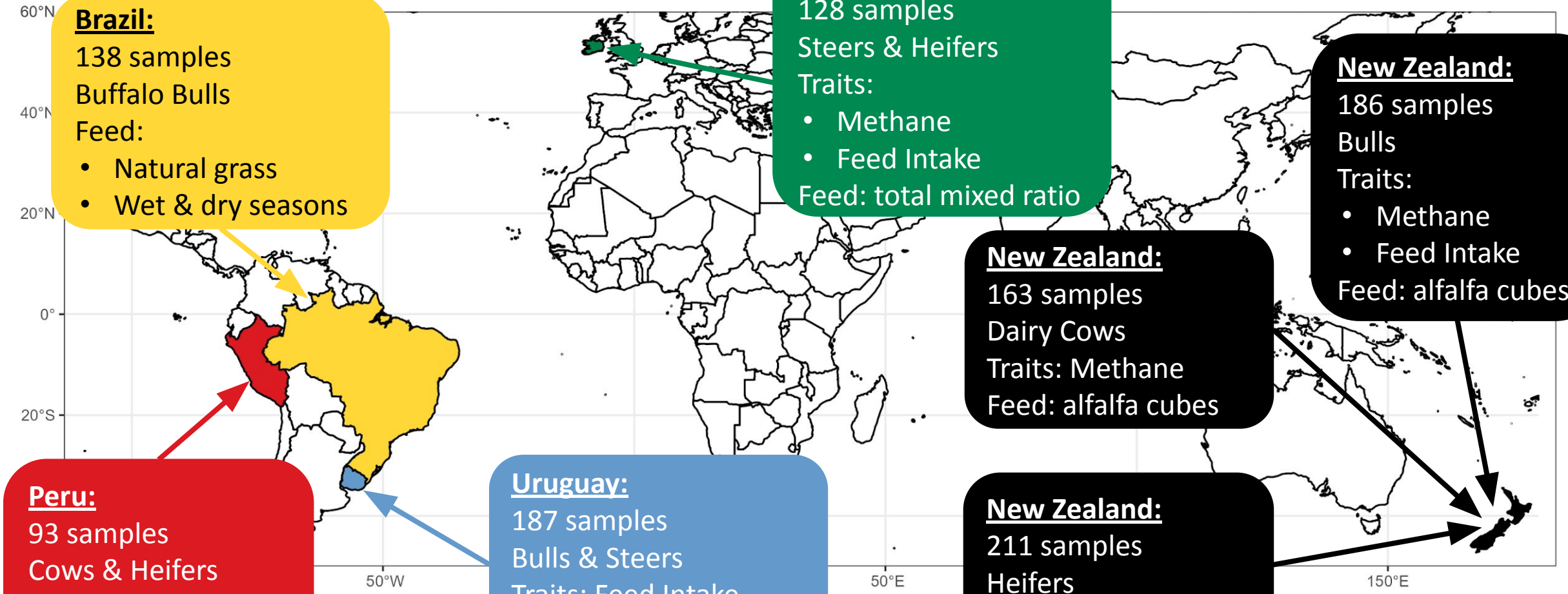
Ireland
128 samples
Steers & Heifers
Traits:
- Methane
- Feed Intake

Feed: total mixed ratio

New Zealand:
186 samples
Bulls
Traits:
- Methane
- Feed Intake

Feed: alfalfa cubes

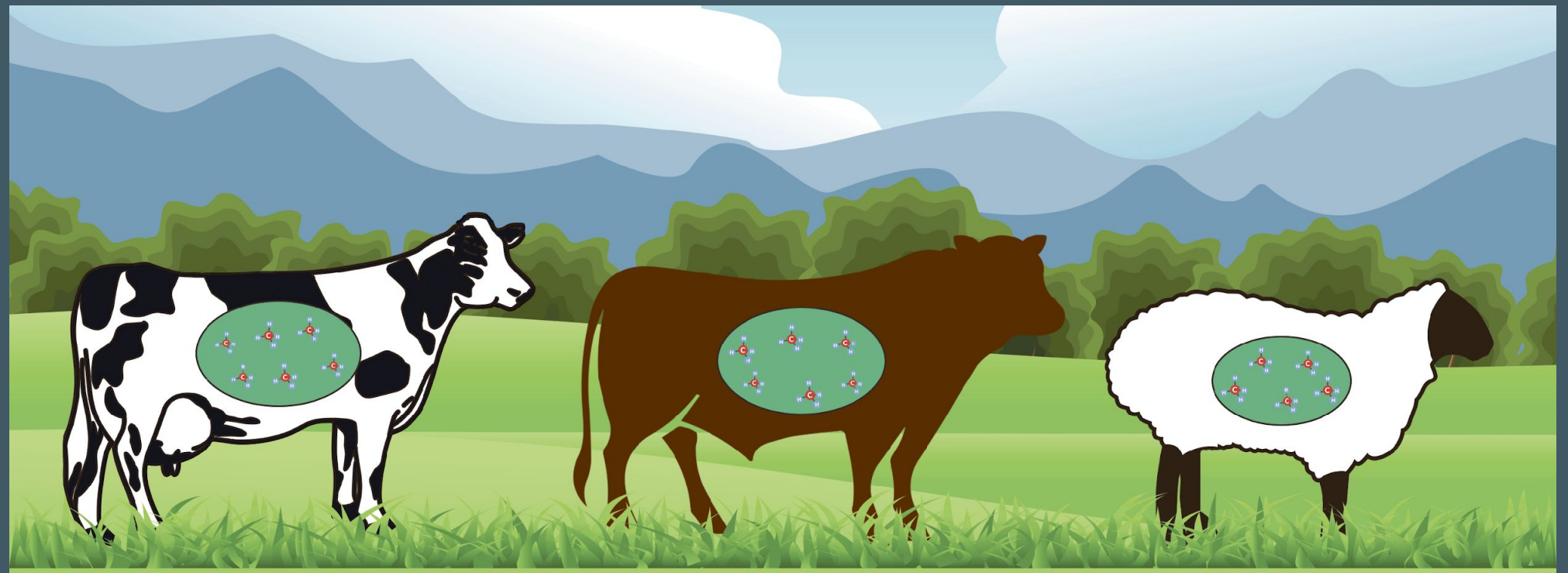
New Zealand:
163 samples
Dairy Cows
Traits: Methane
Feed: alfalfa cubes



Peru:
93 samples
Cows & Heifers
Feed:
- Silvopastoral
- Natural grass

Uruguay:
187 samples
Bulls & Steers
Traits: Feed Intake
Feed: Variable

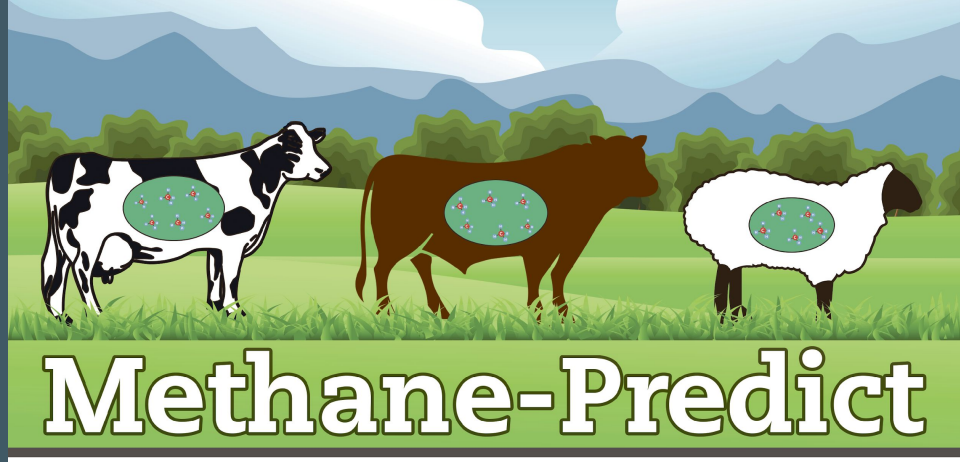
New Zealand:
211 samples
Heifers
Traits: Feed Intake
Feed: alfalfa cubes

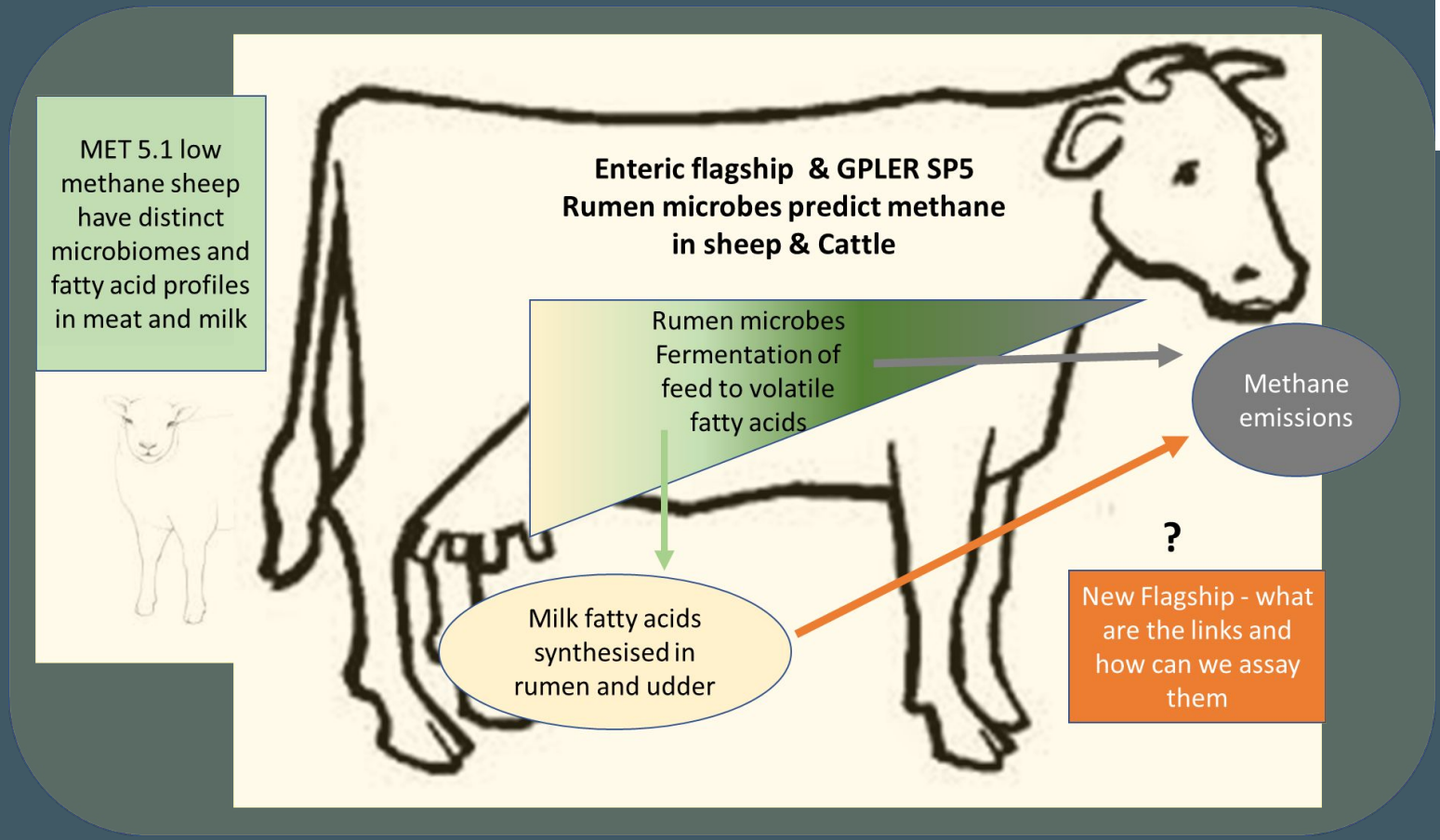


Methane-Predict

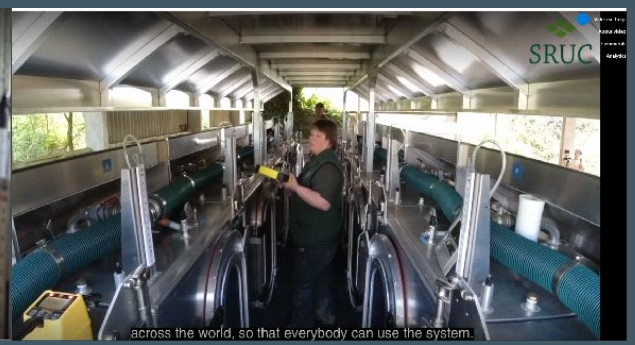
Predicting methane emissions for ruminants

New Flagship ?





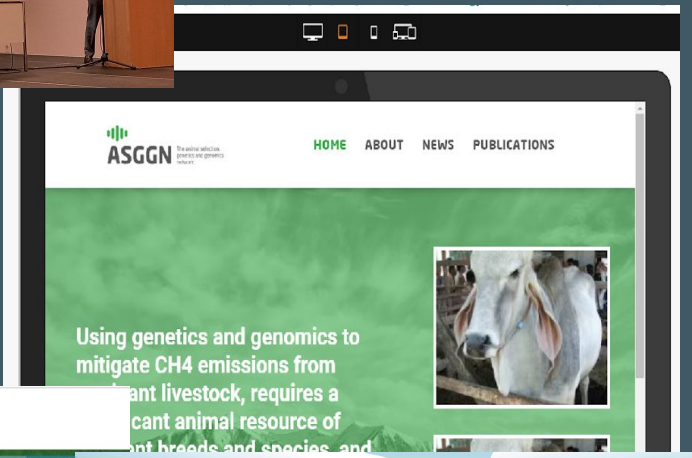
Global Networks

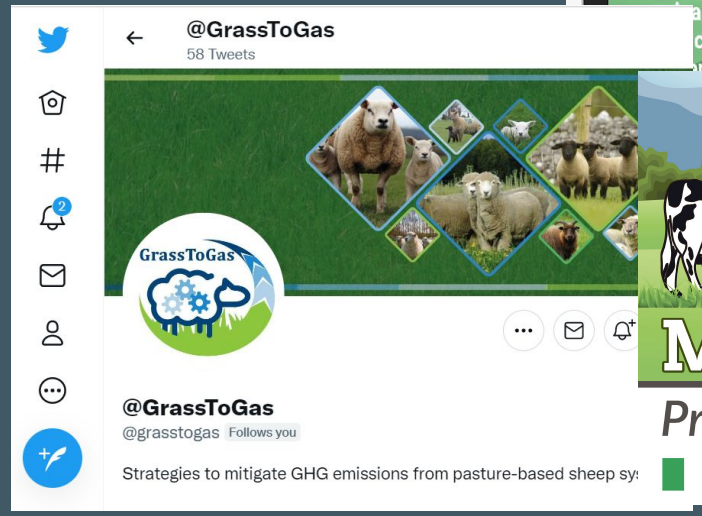


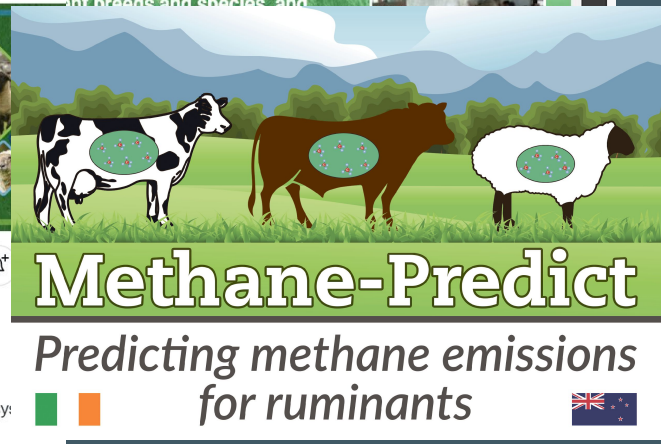
New Green ERA-HUB submission in preparation

Planned

- Collaborative projects
  - Grass to Gas
  - Methane Predict
  - Flagship
- Cliff Grad to help with website and communication
- ICAR Feed & Gas group
- Meetings/Discussion Forum







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Network – Getting Involved

- www.asggn.org
- @ASGGN_GRA
- suzanne.rowe@agresearch.co.nz

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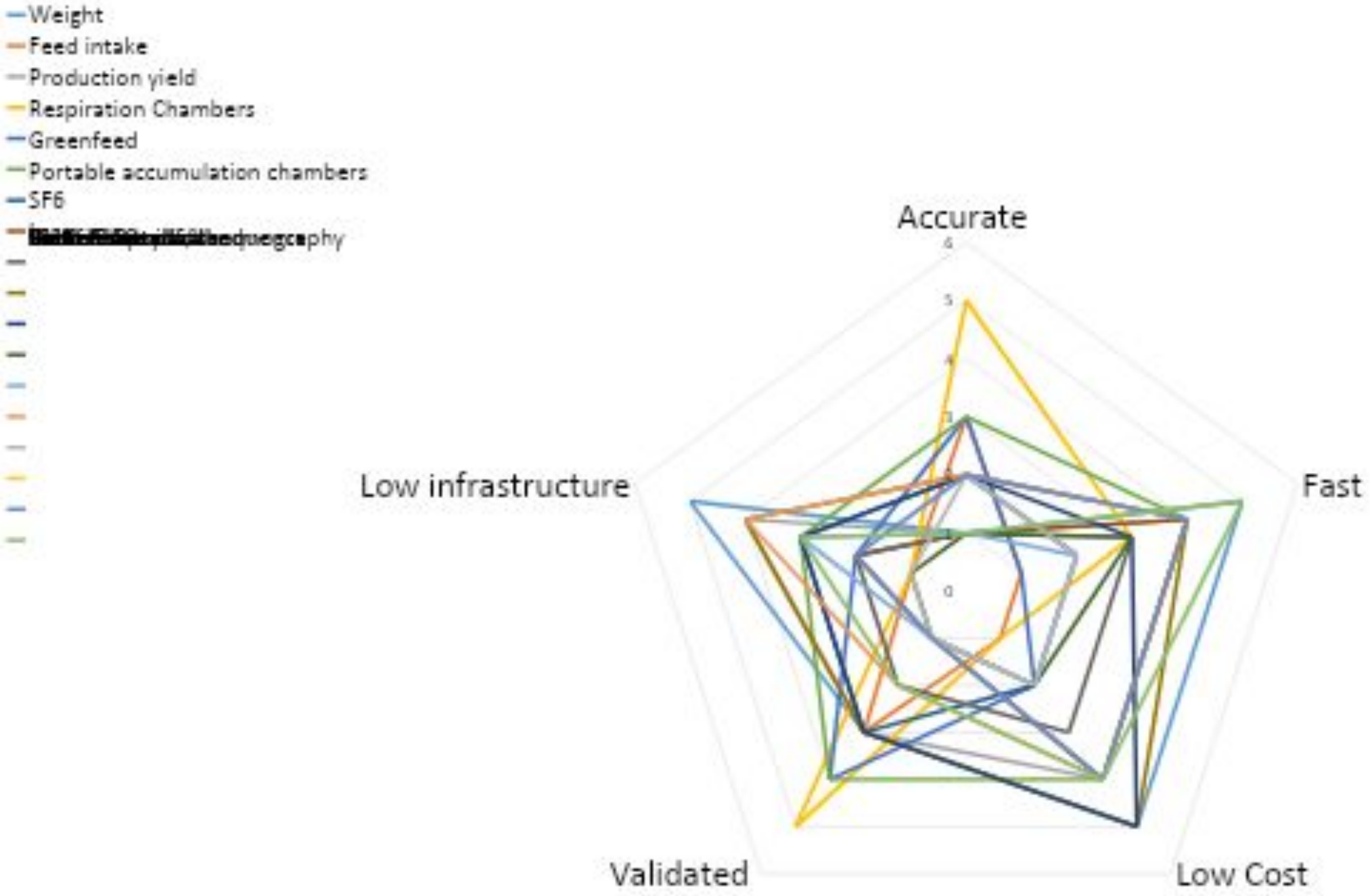
PGgRc
PASTORAL GREENHOUSE GAS RESEARCH CONSORTIUM

NEW ZEALAND AGRICULTURAL GREENHOUSE GAS Research Centre


Weight
Feed intake
Production yield
Respiration Chambers
Greenfeed
Portable accumulation chambers
SF6
Accurate
Fast
Low Cost
Validated
Low infrastructure

Learnings from the ASGGN Meeting

Genetics needs to go hard and go early

Partnerships are really important

Milking robots are in and sniffers are back !

Infra red technology will be innovative and a key contributor

Some countries are only just starting

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ASGGN The animal selection, genetics and genomics network.