

Performances collected on carcass traits and meat quality

This survey is open to all the partners of the CORE Organic 2-Org-Cows and Dairy Health Cow projects.

Its aim is:

- To decide which type of data would be available for the 2-Org-cows project, in order to compare performances on meat quality and carcass from data collected in the farms followed in the project (wp3)
- To have a global view on the data available on a larger scale, and on the level of harmonization within and between countries, in order to contribute to define, at the national and at the international levels, novel traits potentially interesting for genetic evaluations on meat quality and carcass performances of dual purpose breeds (prospective approach).

Don't hesitate to contact me if you have some difficulties with some questions.

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There are 63 questions in this survey

1 General information

*

Please write your answer(s) here:

Country	<input type="text"/>
Name	<input type="text"/>
Surname	<input type="text"/>
Organization	<input type="text"/>
email	<input type="text"/>

Does your country participate to the CORE Organic 2-Org-Cows project? *

Please choose **only one** of the following:

Yes

No

2 On live animals: estimation of carcass and meat quality at slaughter

Do the farmers of the contracted herds keep their young bulls in their herd?

*

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '2 [q1b]' (Does your country participate to the CORE Organic 2-Org-Cows project?)

Please choose **only one** of the following:

- Yes (for most of young bulls)
- Yes, but only few bulls are kept in the farms
- No (they are sold to another farm or for production of veals)
- I don't know

Is it possible to collect the following information (possibly shortly before slaughter) during the next 2 years, on cows and young bulls :

*

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '2 [q1b]' (Does your country participate to the CORE Organic 2-Org-Cows project?)

Please choose the appropriate response for each item:

	Yes	No	I don't know
Liveweight (weight + date of measurement)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Muscle score (score + date of measurement) (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fatness (score + date of measurement) (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Date of slaughter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

(1) Estimation of meat content on live animals. Muscle score describes the shape of cattle independent of the influence of fatness.

Examples of measures:

http://www.dpi.nsw.gov.au/__data/assets/pdf_file/0006/103938/muscle-scoring-beef-cattle.pdf

(2) Assessment of cattle for fatness in order to match sale animals with market requirements and optimise saleable meat yield.

Example of measures:

http://www.dpi.nsw.gov.au/__data/assets/pdf_file/0004/95863/visual-and-manual-assessment-of-fatness-in-cattle.pdf

How is live weight assessed (actual weight or estimation)?

Please indicate any available recommendations (website, references of papers...) on the method.

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '4 [q2b]' (Is it possible to collect the following information (possibly shortly before slaughter) during the next 2 years, on cows and young bulls : (Liveweight (weight + date of measurement)))

Please write your answer here:

Who does record live weight (ex: the farmer himself, a technician of a Breed Association or of Milk Recording Organisation...)?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '4 [q2b]' (Is it possible to collect the following information (possibly shortly before slaughter) during the next 2 years, on cows and young bulls : (Liveweight (weight + date of measurement)))

Please write your answer here:

What is the scale of live weight (ex: kg)? *

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '4 [q2b]' (Is it possible to collect the following information (possibly shortly before slaughter) during the next 2 years, on cows and young bulls : (Liveweight (weight + date of measurement)))

Please write your answer here:

How is muscle score assessed ?

Please indicate any available recommendations (website, references of papers...) on the method.

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '4 [q2b]' (Is it possible to collect the following information (possibly shortly before slaughter) during the next 2 years, on cows and young bulls : (Muscle score (score + date of measurement) (1)))

Please write your answer here:

Who does score muscle (ex: the farmer himself, a technician of a Breed Association or of Milk Recording Organisation...)?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '4 [q2b]' (Is it possible to collect the following information (possibly shortly before slaughter) during the next 2 years, on cows and young bulls : (Muscle score (score + date of measurement) (1)))

Please write your answer here:

What is the scale for muscle score? *

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '4 [q2b]' (Is it possible to collect the following information (possibly shortly before slaughter) during the next 2 years, on cows and young bulls : (Muscle score (score + date of measurement) (1)))

Please write your answer here:

How is fatness assessed ?

Please indicate any available recommendations (website, references of papers...) on the method.

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '4 [q2b]' (Is it possible to collect the following information (possibly shortly before slaughter) during the next 2 years, on cows and young bulls : (Fatness (score + date of measurement) (2)))

Please write your answer here:

Who does score fatness (ex: the farmer himself, a technician of a breed association or of Milk recording organisation...)?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '4 [q2b]' (Is it possible to collect the following information (possibly shortly before slaughter) during the next 2 years, on cows and young bulls : (Fatness (score + date of measurement) (2)))

Please write your answer here:

What is the scale for fatness? *

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '4 [q2b]' (Is it possible to collect the following information (possibly shortly before slaughter) during the next 2 years, on cows and young bulls : (Fatness (score + date of measurement) (2)))

Please write your answer here:

3 On carcasses - Farms involved in the 2-Org-Cows project - Traits harmonized by EU regulation

References

EEC, 1981 : Council Regulation (EEC) n° 1208/81 or 28 April 1981 determining the Community scale for the classification of carcass of adult bovine animals:

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:1981R1208:19910429:EN:PDF>

EEC, 1981: Council Regulation (EEC) n° 2930/81of 12 October 1981adopting provisions for the application of the Community scale for the classiciation of carcasses of adult bovine animals

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:1981R2930:19910730:EN:PDF>

Will it be possible to get the following information, during the next 2 years, on cows and young bulls : *

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '2 [q1b]' (Does your country participate to the CORE Organic 2-Org-Cows project?)

Please choose the appropriate response for each item:

	Yes	No	I don't know
Age at slaughter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Carcass weight	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Muscle score (conformation)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fat score	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Muscle score is measured on:

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '14 [q3a]' (Will it be possible to get the following information, during the next 2 years, on cows and young bulls : (Muscle score (conformation)))

Please choose **only one** of the following:

- hot carcasses
- cold carcasses

4 On carcasses - Ultimate PH (1)

(1) Method: pHmeter with appropriate electrode; Ultimate pH Corrected for temperature.

Is ultimate ph ⁽¹⁾ recorded in abattoirs in your country ?

*

Please choose **only one** of the following:

- Yes, in all the abattoirs
- Yes, but only in some abattoirs
- No
- I don't know

Is PH recorded for all the animals?

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '16 [q4a]' (Is ultimate ph (1) recorded in abattoirs in your country ?)

Please choose **only one** of the following:

- Yes
- No

Are there some recommendations (material, calibration, correction for temperature...) at a national level?

*

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '16 [q4a]' (Is ultimate ph (1) recorded in abattoirs in your country ?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Can you give some references or indicate a contact person?

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '16 [q4a]' (Is ultimate ph (1) recorded in abattoirs in your country ?)

Please write your answer here:

Are data collected in a national or in a regional data basis?

*

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '16 [q4a]' (Is ultimate ph (1) recorded in abattoirs in your country ?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Can data be used by R&D teams external to the abattoir, or by the owner of the animal?

*

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '16 [q4a]' (Is ultimate ph (1) recorded in abattoirs in your country ?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Will it be possible to get PH for the cows/young bulls of the farms of the 2-Org-Cows project? *

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '2 [q1b]' (Does your country participate to the CORE Organic 2-Org-Cows project?) *and* Answer was 'Yes' at question '21 [q4i]' (Can data be used by R&D teams external to the abattoir, or by the owner of the animal?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Comments (changes in the future, difficulties to record PH, conditions to access to the data...)

Only answer this question if the following conditions are met:

Answer was 'No' *or* 'Yes, but only in some abattoirs' *or* 'Yes, in all the abattoirs' at question '16 [q4a]' (Is ultimate ph (1) recorded in abattoirs in your country ?)

Please write your answer here:

5 On carcasses - Meat color (1)

Standard: to be defined

Method: colorimeter or visual assessment

Exemple : see:

UNECE, 2004: Bovine meat carcasses and cut (p. 51)

https://www.unece.org/fileadmin/DAM/trade/agr/standard/meat/e/Bovine_2004_e_Publication.pdf

Is meat color assessed and recorded in abattoirs in your country?

*

Please choose **only one** of the following:

- Yes, in all the abattoirs
- Yes, but only in some abattoirs
- No
- I don't know

Is meat color recorded for all the animals? *

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '24 [q5a]' (Is meat color assessed and recorded in abattoirs in your country?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

What is the scale?

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '24 [q5a]' (Is meat color assessed and recorded in abattoirs in your country?)

Please write your answer here:

Are there some recommendations at a national level?

*

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '24 [q5a]' (Is meat color assessed and recorded in abattoirs in your country?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Can you give some references or indicate a contact person?**Only answer this question if the following conditions are met:**

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '24 [q5a]' (Is meat color assessed and recorded in abattoirs in your country?)

Please write your answer here:

Are data collected in a national or in a regional data basis?

*

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '24 [q5a]' (Is meat color assessed and recorded in abattoirs in your country?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Can data be used by R&D teams external to the abattoir, or by the owner of the animal?

*

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '24 [q5a]' (Is meat color assessed and recorded in abattoirs in your country?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Will it be possible to get meat color for the cows/young bulls of the farms of the 2-Org-Cows project? ***Only answer this question if the following conditions are met:**

Answer was 'Yes' at question '2 [q1b]' (Does your country participate to the CORE Organic 2-Org-Cows project?) *and* Answer was 'Yes' at question '30 [q5i]' (Can data be used by R&D teams external to the abattoir, or by the owner of the animal?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Comments (changes in the future, difficulties to assess, conditions to access to the data...)**Only answer this question if the following conditions are met:**

Answer was 'No' or 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '24 [q5a]' (Is meat color assessed and recorded in abattoirs in your country?)

Please write your answer here:

6 On carcasses : Fat color (1)

Standard: to be defined

Method: colorimeter or visual assessment

Exemple : see:

UNECE, 2004: Bovine meat carcasses and cut (p. 52)

https://www.unece.org/fileadmin/DAM/trade/agr/standard/meat/e/Bovine_2004_e_Publication.pdf

Is fat color assessed and recorded in abattoirs in your country ?

*

Please choose **only one** of the following:

- Yes, in all the abattoirs
- Yes, but only in some abattoirs
- No
- I don't know

Is fat color recorded for all the animals? *

Only answer this question if the following conditions are met:

((q5a.NAOK == "A1" or q5a.NAOK == "A2"))

Please choose **only one** of the following:

- Yes
- No
- I don't know

What is the scale?

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '33 [q6a]' (Is fat color assessed and recorded in abattoirs in your country ?)

Please write your answer here:

Are there some recommendations at a national level?

*

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '33 [q6a]' (Is fat color assessed and recorded in abattoirs in your country ?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Can you give some references or indicate a contact person?**Only answer this question if the following conditions are met:**

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '33 [q6a]' (Is fat color assessed and recorded in abattoirs in your country ?)

Please write your answer here:

Are data collected in a national or in a regional data basis?

*

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '33 [q6a]' (Is fat color assessed and recorded in abattoirs in your country ?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Can data be used by R&D teams external to the abattoir, or by the owner of the animal ?

*

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' at question '33 [q6a]' (Is fat color assessed and recorded in abattoirs in your country ?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Will it be possible to get meat color for the cows/young bulls of the farms of the 2-Org-Cows project? ***Only answer this question if the following conditions are met:**

Answer was 'Yes' at question '2 [q1b]' (Does your country participate to the CORE Organic 2-Org-Cows project?) *and* Answer was 'Yes' at question '39 [q6i]' (Can data be used by R&D teams external to the abattoir, or by the owner of the animal ?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Comments (changes in the future, difficulties to record, conditions to access to the data...)**Only answer this question if the following conditions are met:**

Answer was 'No' *or* 'Yes, but only in some abattoirs' *or* 'Yes, in all the abattoirs' at question '33 [q6a]' (Is fat color assessed and recorded in abattoirs in your country ?)

Please write your answer here:

7 - On carcasses: Rib fat measurement (1)

(1) Standard: to be defined

Exemple : see:

UNECE, 2004: Bovine meat carcasses and cut (p. 53)

https://www.unece.org/fileadmin/DAM/trade/agr/standard/meat/e/Bovine_2004_e_Publication.pdf

Is rib fat assessed and recorded in abattoirs in your country?

*

Please choose **only one** of the following:

- Yes, in all the abattoirs
- Yes, but only in some abattoirs
- No
- I don't know

Is rib fat recorded for all the animals? *

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '42 [q7a]' (Is rib fat assessed and recorded in abattoirs in your country?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

What is the scale?

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '42 [q7a]' (Is rib fat assessed and recorded in abattoirs in your country?)

Please write your answer here:

Are there some recommendations at a national level?

*

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '42 [q7a]' (Is rib fat assessed and recorded in abattoirs in your country?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Can you give some references or indicate a contact person?**Only answer this question if the following conditions are met:**

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '42 [q7a]' (Is rib fat assessed and recorded in abattoirs in your country?)

Please write your answer here:

Are data collected in a national or in a regional data basis?

*

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '42 [q7a]' (Is rib fat assessed and recorded in abattoirs in your country?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Can data be used by R&D teams external to the abattoir, or by the owner of the animal ?

*

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '42 [q7a]' (Is rib fat assessed and recorded in abattoirs in your country?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Will it be possible to get meat color for the cows/young bulls of the farms of the 2-Org-Cows project? ***Only answer this question if the following conditions are met:**

Answer was 'Yes' at question '2 [q1b]' (Does your country participate to the CORE Organic 2-Org-Cows project?) *and* Answer was 'Yes' at question '39 [q6i]' (Can data be used by R&D teams external to the abattoir, or by the owner of the animal ?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Comments (changes in the future, difficulties to assess, conditions to access to the data...)**Only answer this question if the following conditions are met:**

Answer was 'No' or 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '42 [q7a]' (Is rib fat assessed and recorded in abattoirs in your country?)

Please write your answer here:

8 Carcass composition

Standard: cutting specification to be defined

Method: Fat, muscle and bone weighing

Is carcass composition measured/assessed and recorded in abattoirs in your country?

*

Please choose **only one** of the following:

- Yes, in all the abattoirs
- Yes, but only in some abattoirs
- No
- I don't know

Is carcass composition recorded for all the animals? *

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '51 [q8a]' (Is carcass composition measured/assessed and recorded in abattoirs in your country?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

What is the scale?

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '51 [q8a]' (Is carcass composition measured/assessed and recorded in abattoirs in your country?)

Please write your answer here:

Are there some recommendations at a national level?

*

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '51 [q8a]' (Is carcass composition measured/assessed and recorded in abattoirs in your country?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Can you give some references or indicate a contact person?**Only answer this question if the following conditions are met:**

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '51 [q8a]' (Is carcass composition measured/assessed and recorded in abattoirs in your country?)

Please write your answer here:

Are data collected in a national or in a regional data basis?

*

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '51 [q8a]' (Is carcass composition measured/assessed and recorded in abattoirs in your country?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Can data be used by R&D teams external to the abattoir, or by the owner of the animal?

*

Only answer this question if the following conditions are met:

Answer was 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '51 [q8a]' (Is carcass composition measured/assessed and recorded in abattoirs in your country?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Will it be possible to get meat color for the cows/young bulls of the farms of the 2-Org-Cows project? ***Only answer this question if the following conditions are met:**

Answer was 'Yes' at question '2 [q1b]' (Does your country participate to the CORE Organic 2-Org-Cows project?) *and* Answer was 'Yes' at question '57 [q8i]' (Can data be used by R&D teams external to the abattoir, or by the owner of the animal?)

Please choose **only one** of the following:

- Yes
- No
- I don't know

Comments (changes in the future, difficulties to assess, conditions to access to the data...)**Only answer this question if the following conditions are met:**

Answer was 'No' or 'Yes, but only in some abattoirs' or 'Yes, in all the abattoirs' at question '51 [q8a]' (Is carcass composition measured/assessed and recorded in abattoirs in your country?)

Please write your answer here:

9 Other measures on meat quality

Indicate any measure done by some abattoirs in your country, even on few animals:

Please choose **all** that apply:

- Tenderness (Sensorial analysis / Warner Bratzler CompressionShear force / ...)
- Flavour (sensorial analysis)
- Juiciness (sensorial analysis)
- I don't know
- Other measures

Which ones?

Only answer this question if the following conditions are met:

Answer was at question '60 [q9a]' (Indicate any measure done by some abattoirs in your country, even on few animals:)

Please write your answer here:

Comments on other measures?

Please write your answer here:

10 Final comments

Do you have general comments?

Please write your answer here:

Thank you very much for your answers!

Submit your survey.

Thank you for completing this survey.