

Sustainability Survey and Farmer Feedback Reports

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IRISH FOOD BOARD

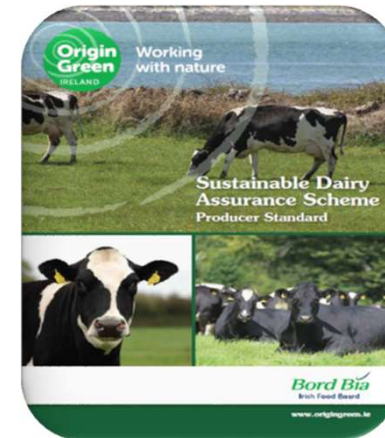


Farm Carbon Footprinting



Sustainable Beef & Lamb Assurance Scheme

51,000 Members
240,000 Carbon Assessments



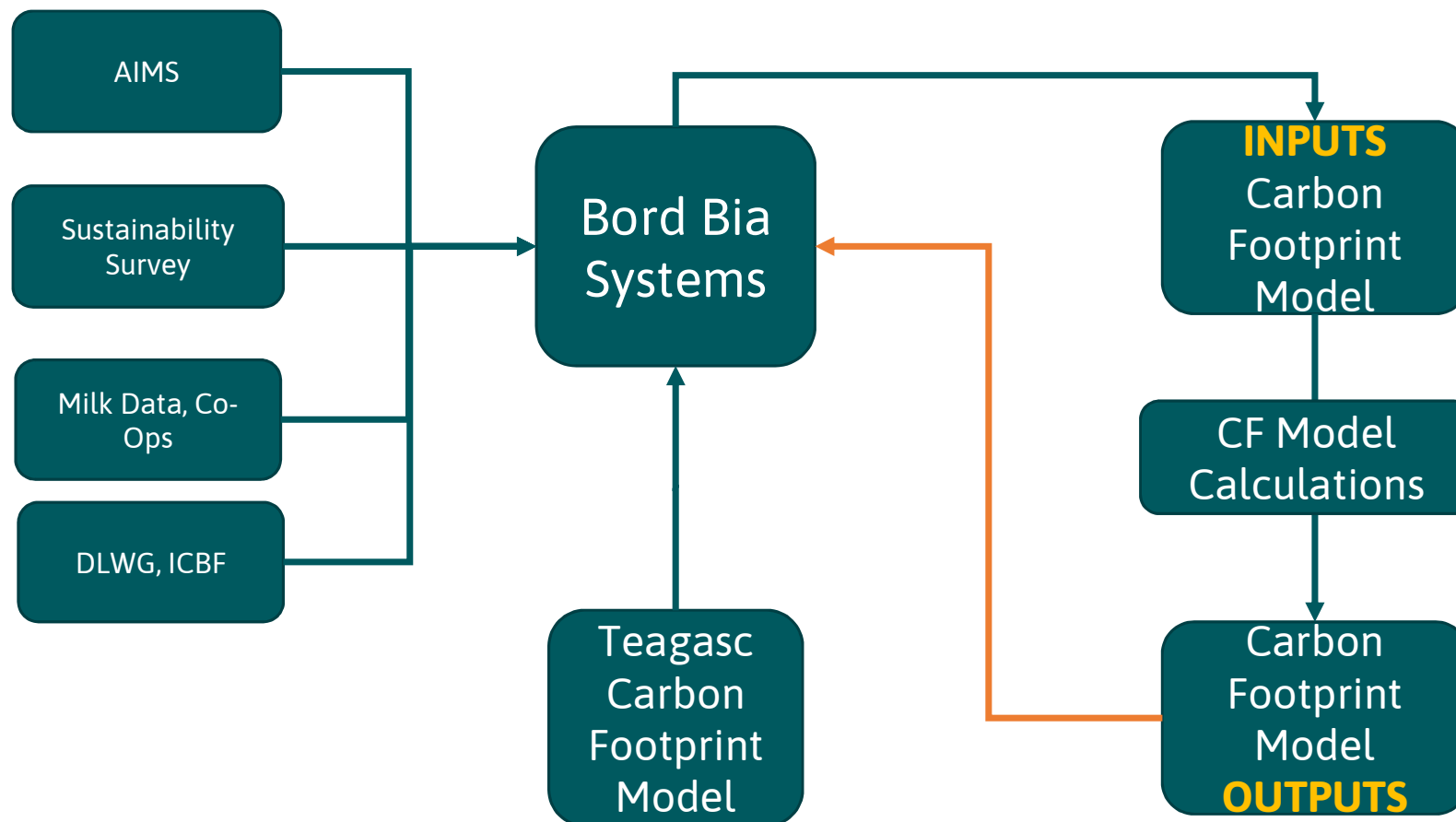
Sustainable Dairy Assurance Scheme

16,000 Members
70,000 Carbon Assessments

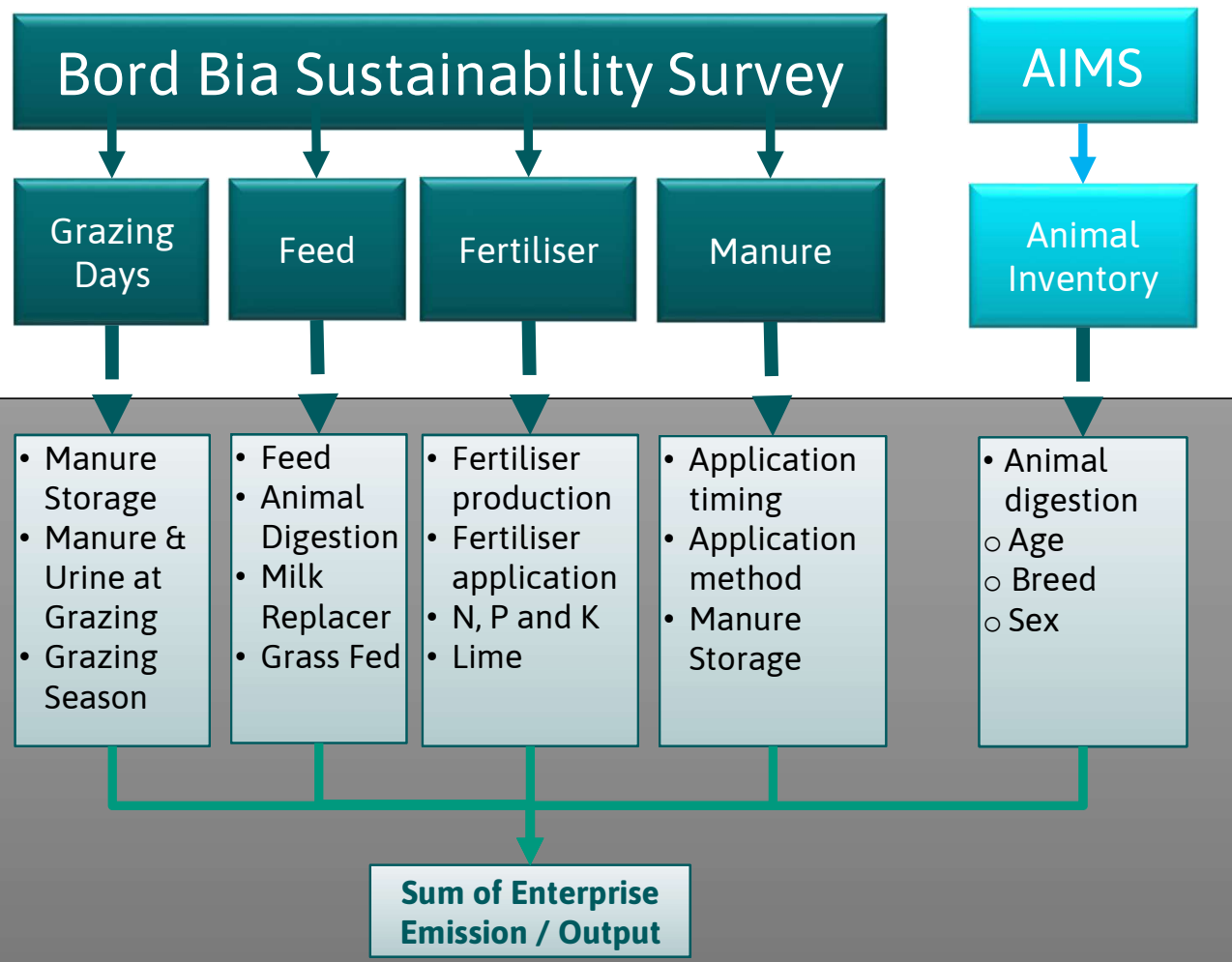
Carbon Footprint Models = All emissions coming from Farm and Off Farm
Off Farm = Anything imported into the farm for the function of the farm

Bord Bia Data Sources & Flows

→ = Data In
→ = Data Out



Sustainability Survey



- Utilized in;
 - Carbon Footprint
 - Grass Fed Status
 - Farmer Feedback Report
- Collected at each audit
- **Collects data on the previous production year**
- **2021 audit = 2020 data**

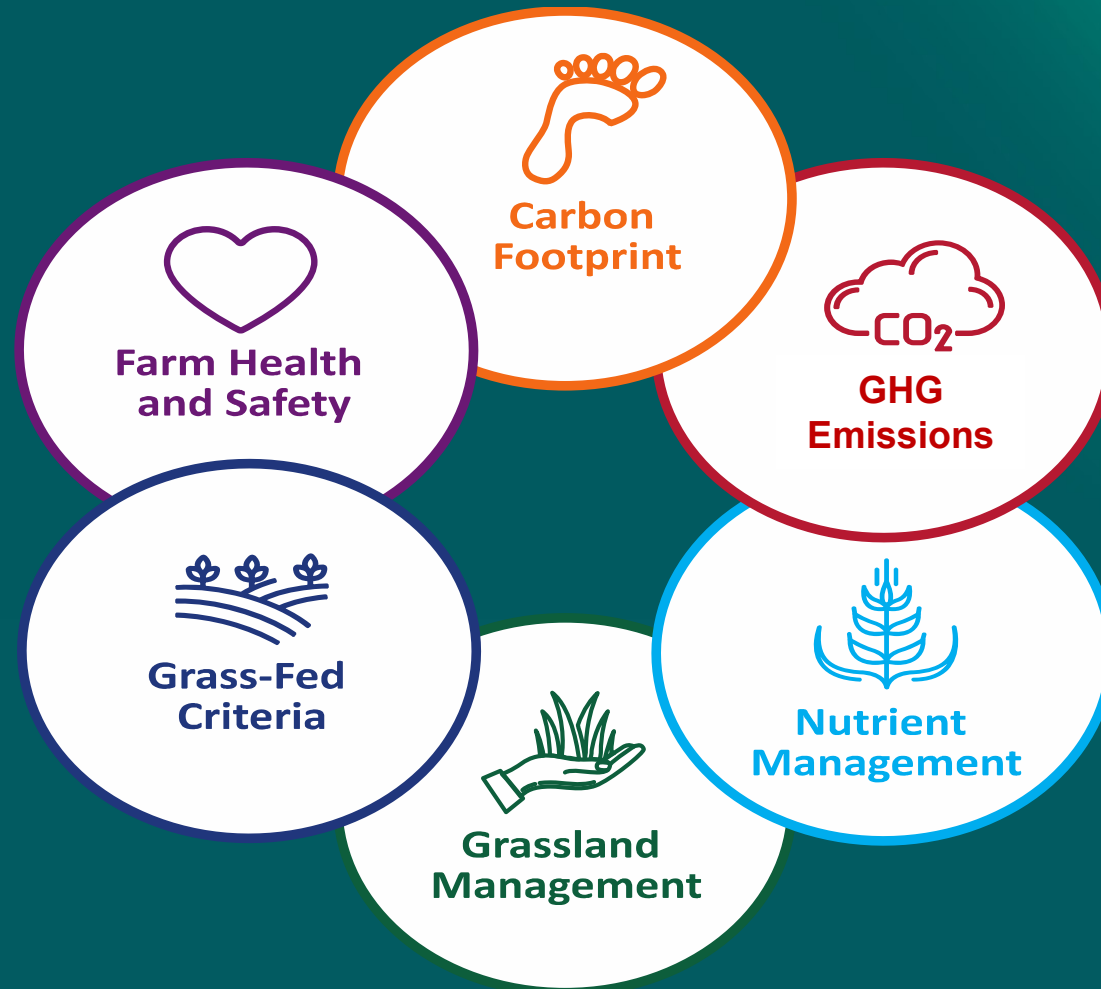


1. Dairy CF = kg CO₂e / kg Fat and Protein Corrected Milk (FPCM)
2. Beef CF = kg CO₂e / kg Live Weight Gain


Farmer Feedback Report

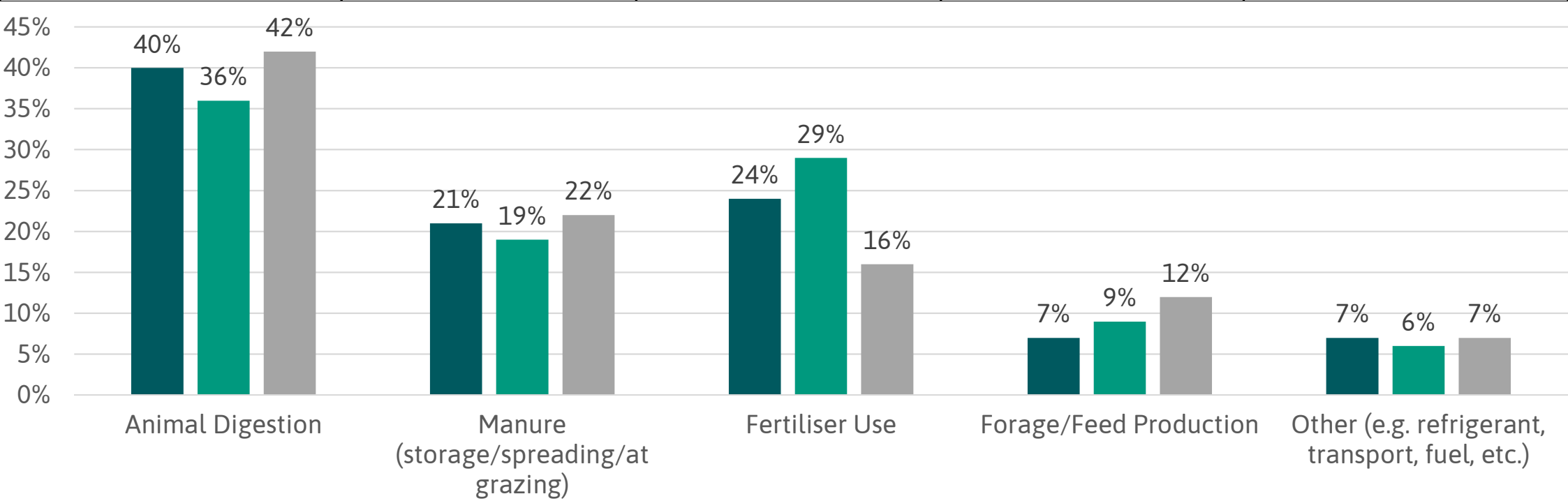
- Launched in 2020
 - Displays the Carbon footprint of the enterprise along with the breakdown of the CF of different farm activities
- Posted to all certified beef and dairy farmers once all required data is available to complete a CF calculation
- Available online via the farmer portal <https://farm.bordbia.ie>

Farmer Feedback Report




Greenhouse Gas Emissions

Parameter	Unit	Current assessment	% Change from Previous assessment	Average for 125 – 150 cow farms
Dairy Carbon Footprint	kg CO2 / kg FPCM	1.11	 -16%	1.15

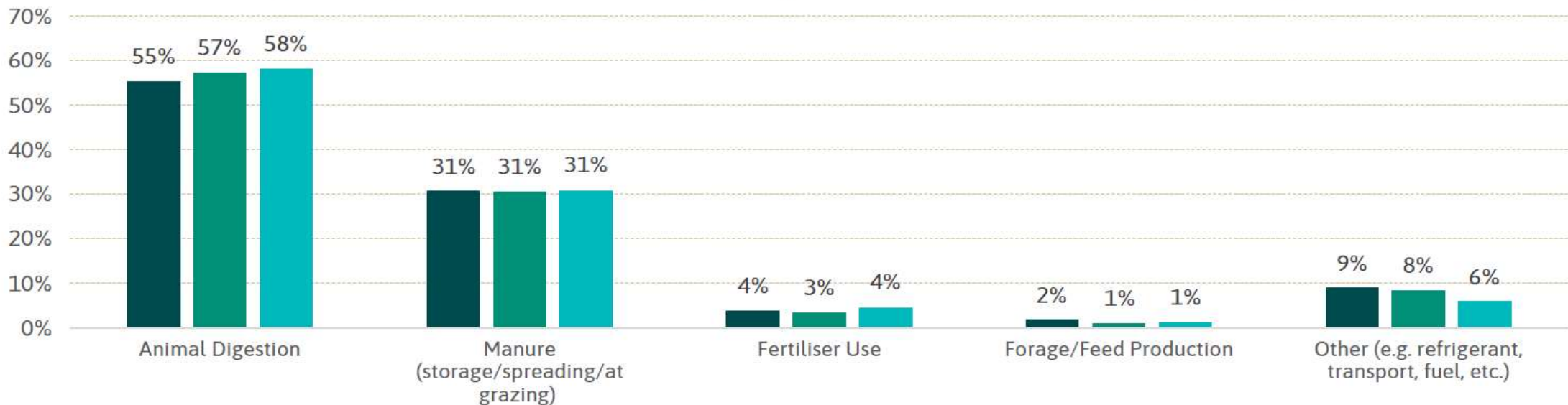


Greenhouse Gas Emissions

Parameter	Unit	Current assessment	% Change from Previous assessment	Suckler to weanling/store farms
Beef Carbon Footprint	kg CO2 / kg Live Weight gain	11.75	 -5%	13.28

Percentage Share of Farm Carbon Emissions

■ Current assessment (Production year 2020)
■ Previous assessment (Production year 2018)
■ Average for Suckler to weanling/store farms



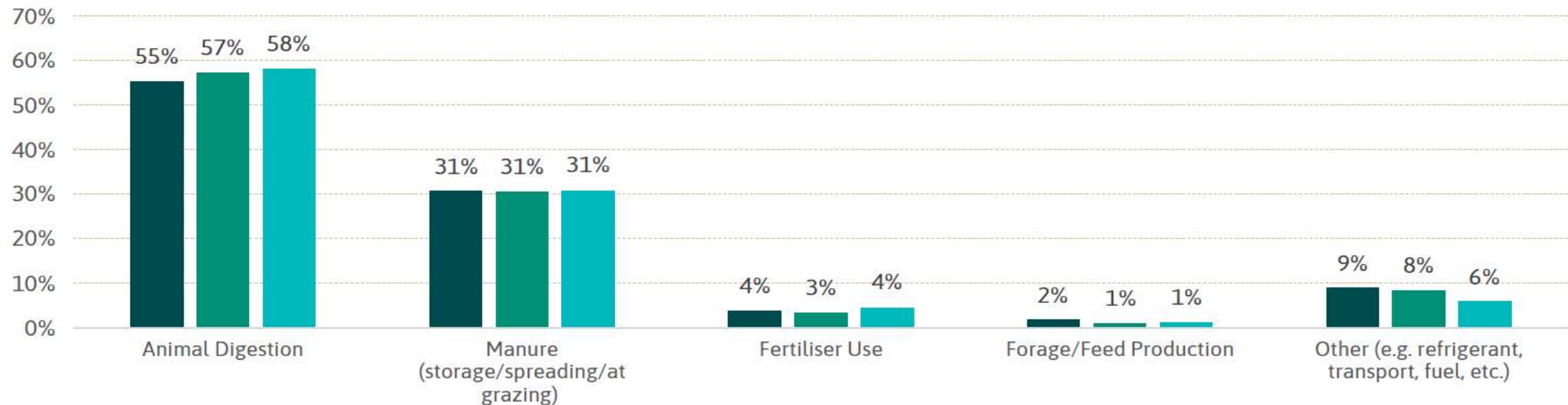
Greenhouse Gas Emissions

Percentage Share of Farm Carbon Emissions

■ Current assessment
(Production year 2020)

■ Previous assessment
(Production year 2018)

■ Average for
Suckler to weanling/store farms



- | | | | | |
|--|--|--|--|--|
| <ul style="list-style-type: none"> • Reduce Finishing Age • Improve grass quality & dry matter • Improve herd health <ul style="list-style-type: none"> • Breeding • Herd Health Plan | <ul style="list-style-type: none"> • Aim for 70% manure application in spring • Utilize low emission technologies (LESS) • Reduce housing period | <ul style="list-style-type: none"> • Reduce nitrogen losses with Protected Urea • Identify n, p & k requirements through soil tests • Apply lime | <ul style="list-style-type: none"> • Improve grass utilization & grazing season • Reduce concentrate feeding | <ul style="list-style-type: none"> • Renewable energy installation • Don't leave machines idling • LED lighting |
|--|--|--|--|--|

Farmer Access Online

<https://farm.bordbia.ie>

Username = Herd Number
PIN = 4 Character Code

Forgot PIN function recently added

Click on Farmer Feedback Report section

The screenshot displays the BORD BIA Irish Food Board website. The top navigation bar includes links for Home, Prepare, Survey, Closeout, Farmer Feedback Report, and Login. The 'Login' link is circled in red. The 'Farmer Feedback Report' link in the sidebar is also circled in red. The login form in the center is circled in red, showing fields for Username (B1111199) and PIN (****), with 'Login' and 'Forgot PIN' buttons. A QR code is shown on the left, and a 'Login' button is circled in red at the bottom right of the sidebar.

To access your Farmer Feedback report online, scan the QR code.



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Farmer Access to Updated Carbon Footprint

Login



Forgot PIN



Forgot PIN

SMS will be sent to number ending in XXX XXX 0328, is this correct?

☒ I'm not a robot



Model Updates

Integrate with ICBF AIM data

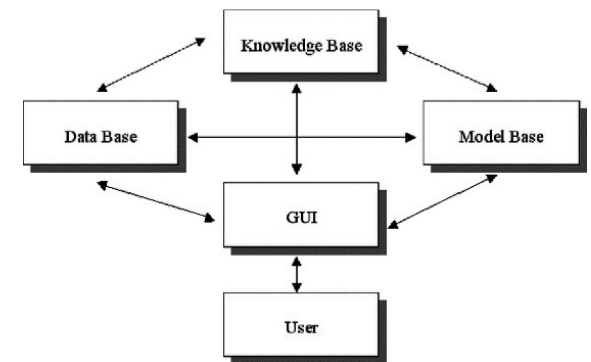
Country specific emission factors

Separation of manure into dung and urine

Historical dairy audits recalculated to new calculation

Move from average Dairy CF of 1.14
→ 1 kg CO₂e / kg FPCM

Beef to start next month



Future Developments

Data

Develop linkages with other databases:

- Pasture Base
- Feed Merchants
- Fertiliser merchants

Model

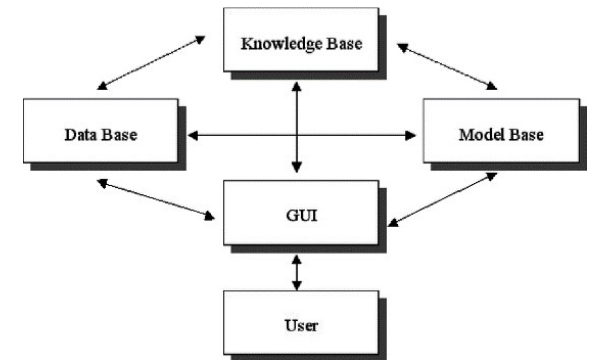
Country specific emission factors

New Research

Sequestration

Annual review/update

Development of decision support tool



Thank You
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