

# Climate action planning partnerships in action

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# Challenges Facing the Irish Agri-food Industry

1. Climate Change- how should the Irish agri-food respond?
2. Water Quality/Biodiversity- there is a requirement to reverse current trends.
3. Calf Welfare- we need to develop a sustainable outlet for calves coming from the dairy herd.
4. People- adequate supply and skillset.
5. Competitiveness- maintained at both farm and processor level

# Key areas of Action in the Teagasc Strategy





# 3 Key Pillars of Climate Action

## Signpost Advisory Programme



Available to all farmers



Enhanced advisory & training support



“Know my Number - Make my Plan”  
*supported by the*  
Sustainability Digital Platform



Engage with 50,000 farmers by 2030

## Sustainability Digital Platform



New Secure Online platform



Facilitating Whole Farm sustainability assessment



Farmer & Advisor Understand emissions profile

## National Centre for Agri-food Climate Research & Innovation



New Virtual Centre



Accelerate & co-ordinate Climate Research & Innovation Programmes



Providing leadership, nationally & internationally

# 3 Key Pillars of Climate Action

Signpost  
Advisory  
Programme

Sustainability  
Digital  
Platform

National Centre  
for Agri-food  
Climate Research  
& Innovation

**AGNAI** 



**Teagasc, Bord Bia  
and ICBF have  
partnered to develop  
an online portal of  
farm sustainability  
supports and  
solutions for Irish  
farmers: **AgNav****



- **AgNav** has been created for Irish farmers, to support climate action and sustainability improvements on Irish farms.
- **AgNav** provides farmers with secure, accurate and verifiable data that allows them to choose the most appropriate actions tailored to their farm.
- **AgNav** will utilise the three respective agencies' collective knowledge by providing data, decision making support tools and guidance which will be housed within one consolidated online platform.
- A definitive resource to support farm sustainability in Ireland.



# AGNAI

Delivers science led, support and planning tools with specific, accurate and verifiable data to farmers to deliver on climate action.



- Scientific expertise & Research outputs
- Develop low carbon assessment models & tools
- Advisory Services & Signpost demonstration farms
- Relevant datasets



- IT Infrastructure & Resource
- Data processing & Analysis
- AIMS
- Relevant datasets



- QA Scale and Infrastructure
- Farm Sustainability Survey
- Carbon Footprints (Farmer Feedback Report)
- E-Learning, Sustainability Planning Tools
- Relevant datasets

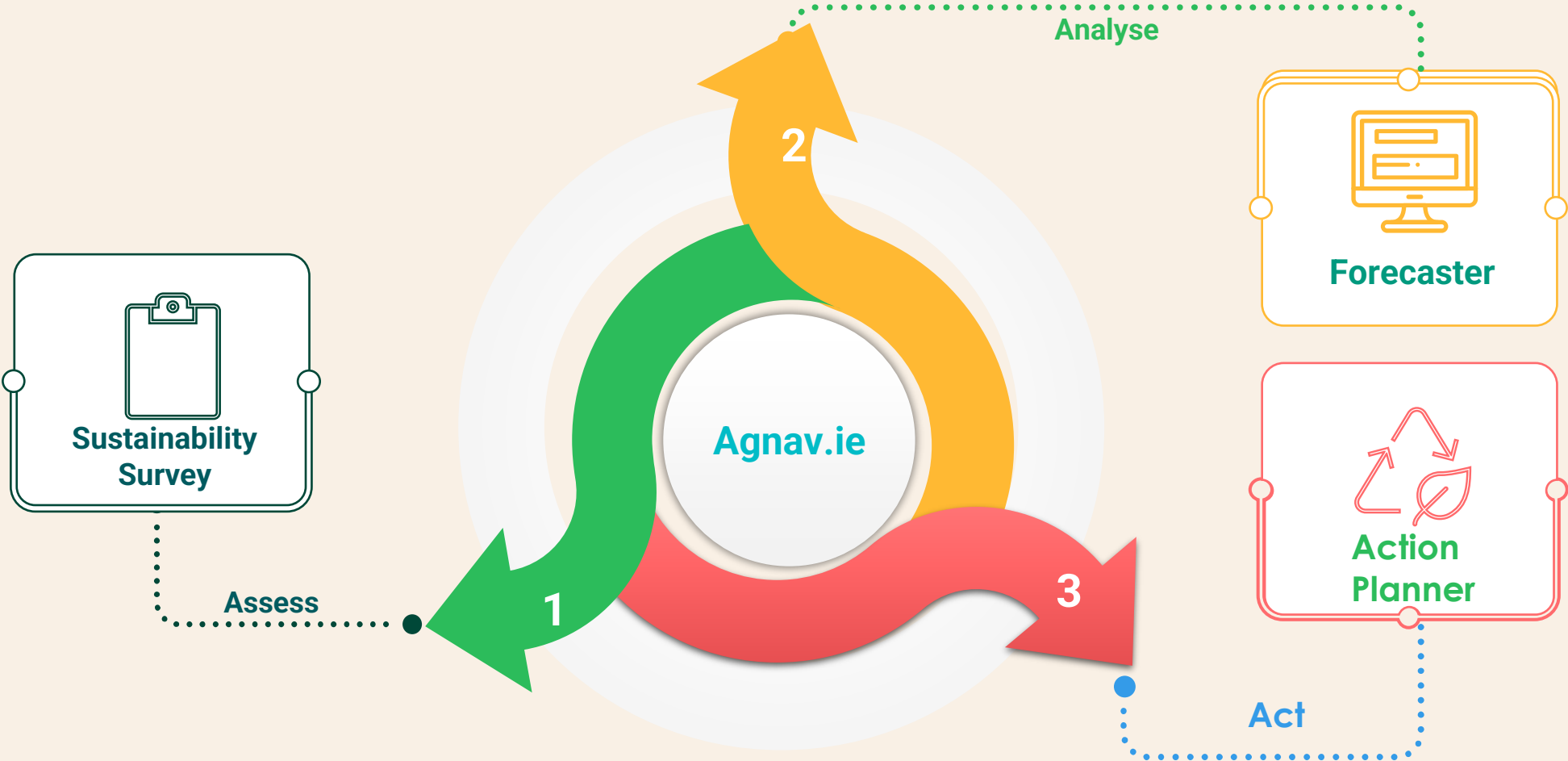


# Key Benefits

- **Farmers are requesting guidance and support** to deliver improvements.
- **Maximises use of existing databases** in the agri sector (verified data).
- Opt in, - All subject to **farmers permission**.
- **Scientific oversight** for development of **robust and accurate** system.
- **No duplication** for farmers, - one source of the truth.
- **Freely available to all farmers.**

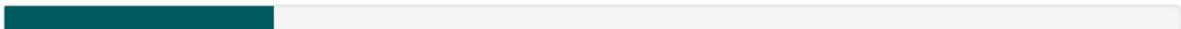


# A platform guided by science to assist farmers in achieving on-farm sustainability.





Progress: 23%



- Introduction
- Scope
- Housing**
- Manure
- Feed
- Silage
- Fertiliser
- Energy
- Dairy
- Water
- Soil
- Pesticide
- Biodiversity
- Economic
- Social

For surveys completed in 2023, answers should be for 2022.

## Part 1 - Housing and Turnout

1. Please complete the table below for the relevant cattle categories

	Housed Full Time All Year? <i>(i.e. where no outdoor grazing at any time)</i>	Grazing Full Time All Year? <i>(i.e. no housing at any time)</i>	Average Turnout <i>(Date)</i>	Average Housing <i>(Date)</i>	
<input type="checkbox"/> Suckler Cows	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	DD/MMM <input type="text"/>	DD/MMM <input type="text"/>	<input type="checkbox"/>
<input type="checkbox"/> Weanlings/Yearlings/Stores	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	DD/MMM <input type="text"/>	DD/MMM <input type="text"/>	<input type="checkbox"/>
<input type="checkbox"/> Finishing cattle (steers and heifers)	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	DD/MMM <input type="text"/>	DD/MMM <input type="text"/>	<input type="checkbox"/>
<input type="checkbox"/> Finishing cattle (young bulls)	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	DD/MMM <input type="text"/>	DD/MMM <input type="text"/>	<input type="checkbox"/>
<input type="checkbox"/> Dairy Cows	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	DD/MMM <input type="text"/>	DD/MMM <input type="text"/>	<input type="checkbox"/>

Assess



Analyse



Act



# AGNAV

AGNAV

BORD BIA  
IRISH FOOD BOARD

teagasc  
AGRICULTURAL RESEARCH & ADVICE

icbf

Nitrogen Fertiliser

Slurry Spreading

Graving Season

Reduce Fertiliser Use

Total %

100%

100

19321 kg N

Change Fertiliser Type Use

Progress:

109% Usage (Too Much)

Urea

9%

0

Protected Urea

47%

47

Other N Fertiliser

53%

53



Available: 100%  
Used: 109%  
Left: -9%

Assess

Analyse

Act



# AGNAI



Assess




Analyse





Act


**BORD BIA** IRISH FOOD BOARD  MY FARM PLAN ADD ACTIONS LOG OUT Profile 


## Sustainability actions



Search for sustainability actions... 







 Hide filters


 Reset filters

Select a theme: 1. Gaseous Farm Emissions 

Select an action area: 6. Forecasting Tool Actions 

**Key/Legend:**  Environmental Benefit  Economic Benefit:

**Implement Practices to Achieve Optimal Grazing Season Length**  
Benefits:      

NOT IN YOUR PLAN  View action details

**Reduce Chemical Nitrogen Usage**

# 3 Key Pillars of Climate Action

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Programme

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Digital  
Platform

National Centre  
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Climate Research  
& Innovation

**AGNAI** 

# Signpost Advisory Programme



Available to all farmers



Enhanced advisory & training support



“Know My Number – Make My Plan”  
- supported by AgNav



Engage with 50,000 farmers between now & 2030

# Signpost Advisory Programme – Farmer Journey

Register for  
the  
Programme

Baseline  
Assessment

Know My  
Number

Make My  
Plan

Support for  
Action

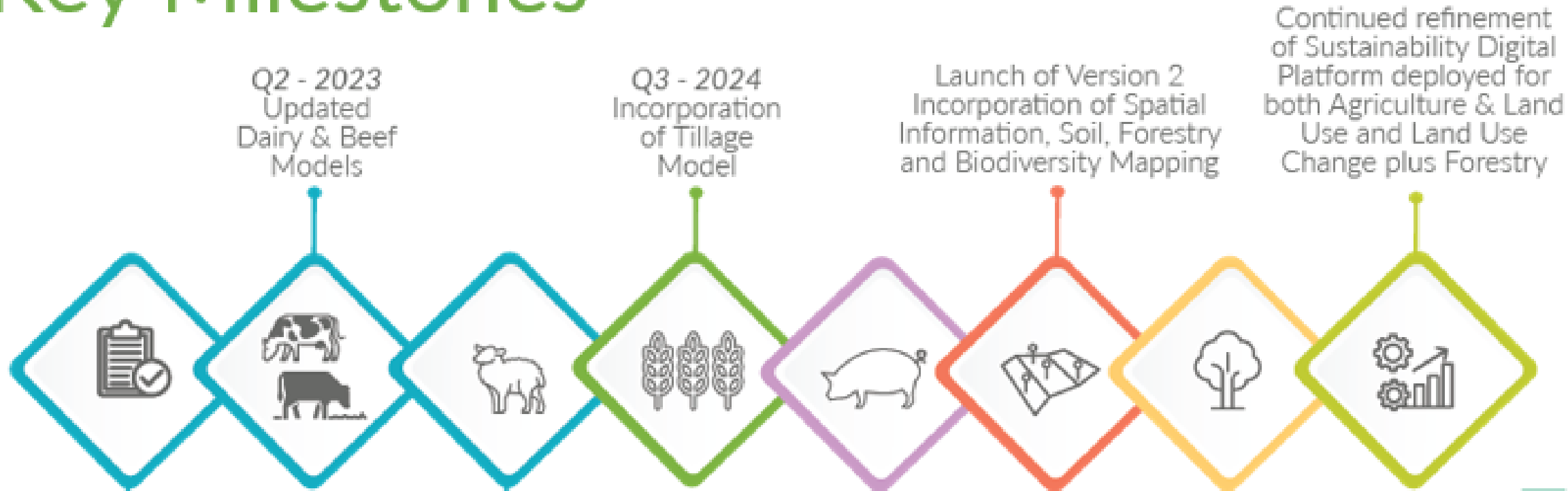
Achieving  
emissions  
reductions



Individual and Collective contributions of farmers to achieving the targets for the Agri-Food Sector



# Key Milestones



Q1 - 2023  
Launch  
Pilot Action  
Planner

Q2 - 2023  
Updated  
Dairy & Beef  
Models

Q4 - 2023  
Incorporation  
of Sheep  
Model

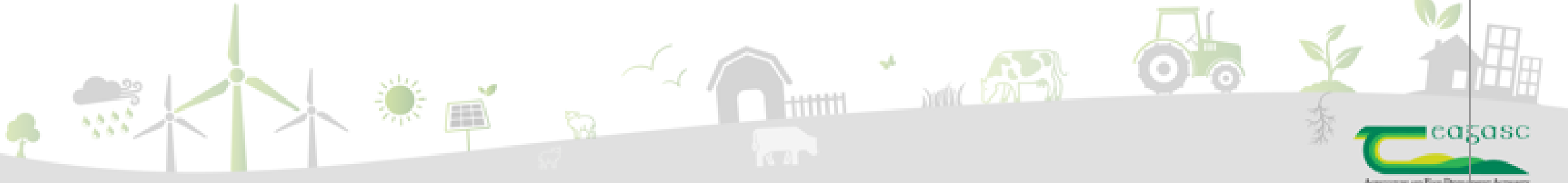
Q3 - 2024  
Incorporation  
of Tillage  
Model

Q4 - 2024  
Incorporation  
of Pig  
Model

Launch of Version 2  
Incorporation of Spatial  
Information, Soil, Forestry  
and Biodiversity Mapping

Launch Version  
3 to include  
Soil Carbon

Continued refinement  
of Sustainability Digital  
Platform deployed for  
both Agriculture & Land  
Use and Land Use  
Change plus Forestry



# Summary

- AgNav is a much-needed and ambitious initiative to chart a clear path forward for sustainable farming.
- AgNav provides farmers with accurate and verifiable data to support decision making on farm.
- AgNav aims to reduce duplication of effort for a farmer – they can use it as a one-stop-shop for farm sustainability management.
- AgNav can also support the work of existing environmental schemes such as EIPs or processor led programmes.
- Data will not be shared outside of AgNav, unless a farmer chooses to do so.
- The toolkit is optional for all farmers. It is not linked to the Bord Bia audit and farmers are not required to be clients / members of Origin Green, Teagasc or ICBF
- In time it is hoped that AgNav will facilitate an ability to account for all carbon within each individual farms' system.



[www.agnav.ie](http://www.agnav.ie)

**AGNAV**

