

# Driving change through Education



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# Historical Context

- Establishment of DATI.
- Development of technical schools and farm based colleges.
- Support for research. Experiments and trials on college farms for development of new methods, breeds and varieties.

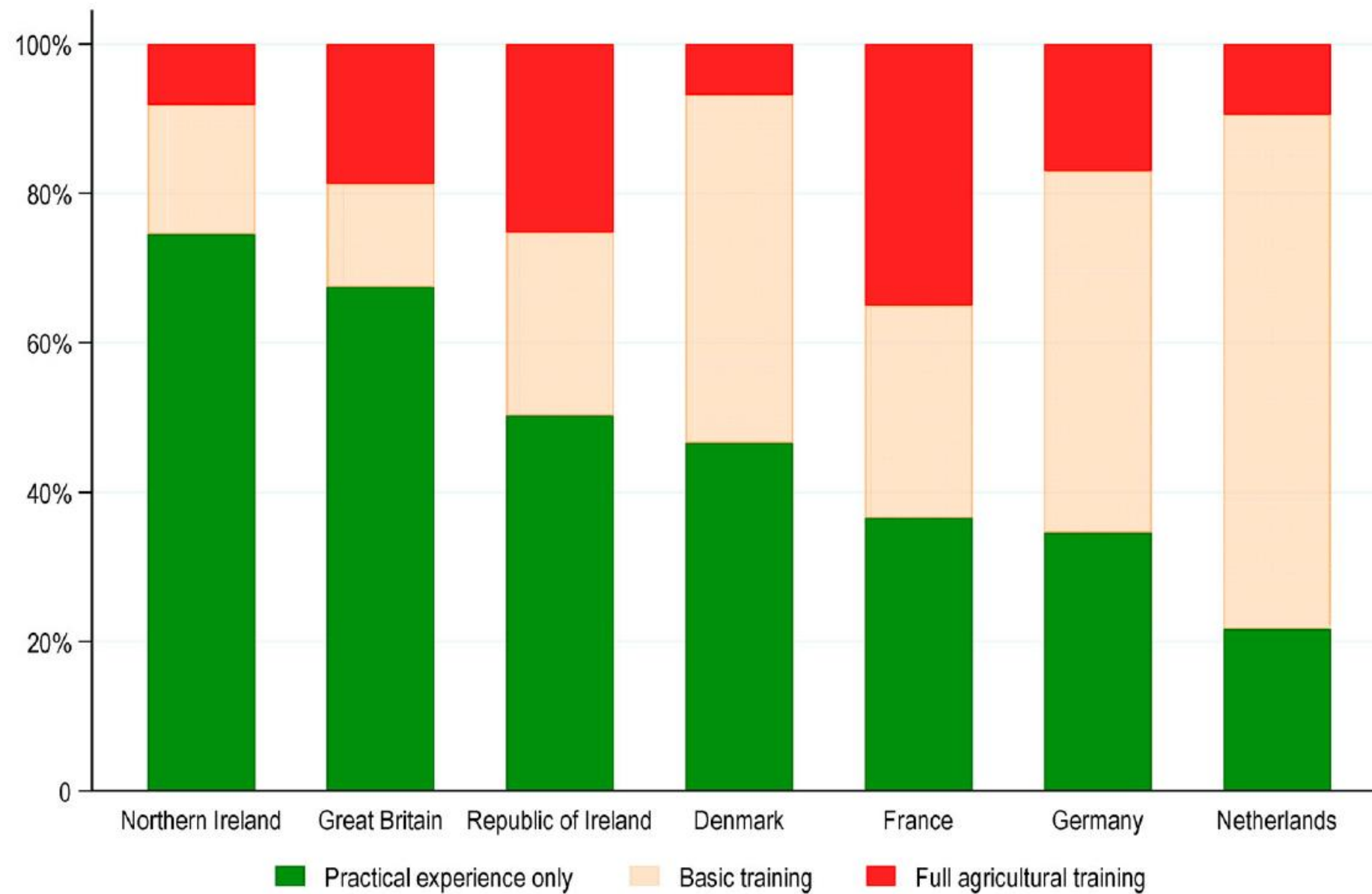


# The Need for Change

Why do we continually talk about the importance of education?

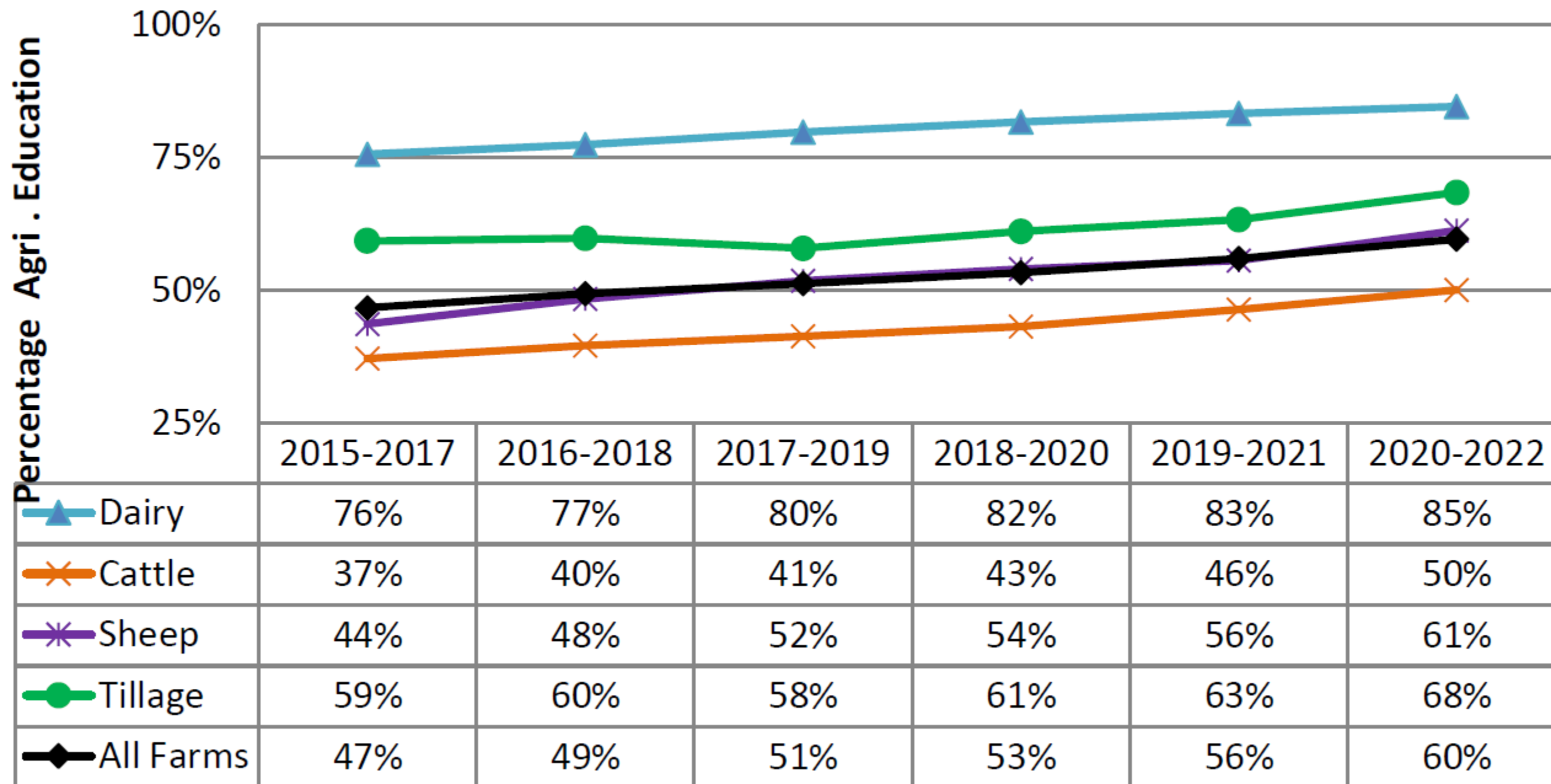
-  Urgency for sustainable practices due to climate change and biodiversity loss.
-  Risks posed by not adopting change in farming methods to soil health, water quality, and greenhouse gas emissions.
-  Benefits of adopting sustainable practices.

# Role of Education in Driving Change



Eliciting farmers' preferences towards agriculture education in Northern Ireland, Angioloni S, Cerronib S, Jack C, and Ashfiel A, AFBI 2024

# Role of Education in Driving Change - 2



Formal Agricultural Education: 3 year rolling average 2018-2023 (average per system)

Teagasc National Sustainability Report 2023

# Role of Education in Driving Change - 3

Further Education (Certificates)	Higher Education (Degrees)
Teagasc Colleges, Ballyhaise, College of Amenity Horticulture, Kildalton, Clonakilty	Technological Universities and IOT, ATU, Galway and Letterkenny, DkiT, TUS, MTU, SETU
Teagasc supported Private Agricultural colleges, Mountbellew, Salesian Agricultural College, Pallaskenry, Gurteen	Universities, UCD and UCC
ETBs	
Private Providers	

# Integrating Research with Education

- Importance of integrating cutting-edge research into educational programmes.
- Collaboration with industry stakeholders for real-world applications.
- Different parts of Teagasc, Research, Advisory and Education Working Together to maximise adoption of new Technology



# Case Studies - 1

## Pasture Management

- Introduction of PastureBase Ireland and its role in pasture management.
- Benefits of incorporating clover into pasture systems.
- Rapid integration of research into curriculum updates



## Case Studies - 2

### Sustainable Farming in the Environment Module

- Sustainable practices and environmental regulations.
- Climate action strategies in agriculture.
- Practical applications like farm audits and participation in agri-environment schemes.



# Future Challenges and Conclusions

- New technologies will emerge in the coming years
- We will continue to adopt our programmes quickly to implement changes as they arise
- We must maintain collaboration with our partner higher education institutions for curriculum alignment
- We must feed into the curriculum of the of new educational providers (ETBs, private institutions)



**Thank  
You**